

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
SHERMAN DIVISION**

IMPERIUM IP HOLDINGS §
(CAYMAN), LTD., §
§
Plaintiff, §
§
v. § Case No. 4:14-cv-00371-ALM
§ **FILED UNDER SEAL**
§
SAMSUNG ELECTRONICS CO., §
LTD., et al., §
§
Defendants. §
§

JOINT FINAL PRE-TRIAL ORDER

This cause came before the Court at a pre-trial management conference held on January 29, 2016, pursuant to Local Rule CV-16 and Rule 16 of the Federal Rules of Civil Procedure.

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B. STATEMENT OF JURISDICTION

This case arises under the patent laws of the United States, Title 35 of the United States Code. The Court has original jurisdiction over the subject matter of this action pursuant to 28 U.S.C. §§ 1331 and 1338(a). Jurisdiction and venue with respect to Imperium’s infringement claims are not disputed.

C. NATURE OF ACTION

This is an action for patent infringement in which Imperium IP Holdings (Cayman), Ltd. (“Imperium”) seeks damages for infringement of three patents by Defendants Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Samsung Semiconductor, Inc.

(collectively, “Samsung”). The patents-in-suit are United States Patent No. 6,271,884 (the “’884 Patent”), United States Patent No. 6,836,290 (the “’290 Patent”), and United States Patent No. 7,092,029 (the “’029 Patent”). Imperium alleges that Samsung directly and/or indirectly infringes claims 1, 5, 6, 14, 17, 18, and 19 of the ’884 Patent, claims 1 and 10 of the ’290 Patent, and claims 1, 6, and 7 of the ’029 Patent (the “Asserted Claims”). Imperium also alleges that Samsung willfully infringes the ’884, ’290 and ’029 Patents. Imperium seeks damages in the form of a reasonable royalty.

Samsung denies that it or its customers have infringed or infringe the Asserted Claims of the patents-in-suit, either literally or under the Doctrine of Equivalents. Samsung further contends that it does not induce or contribute to and has not induced or contributed to direct infringement of the Asserted Claims, either literally or under the Doctrine of Equivalents. Samsung alleges that the Asserted Claims are invalid in light of prior art, both based on obviousness and anticipation. Samsung further contends that Imperium is barred in whole or in part from recovering damages under the principle of laches. If one or more of the Asserted Claims are found to be not invalid, and if Samsung is found to have infringed such claims, in addition to denying that Imperium is entitled to any damages, Samsung denies that its alleged infringement was willful and further denies that enhanced damages are appropriate. Samsung further contends that Imperium is barred from recovering damages for any of the accused products that incorporate a Sony image sensor under the 2013 Settlement and License Agreement (“Sony License”), entered into by Imperium and third parties Sony Corporation and Sony Mobile Communications (USA) Inc.¹

¹ Samsung has not asserted in this action a counterclaim for breach of the Sony License. Samsung Electronics Co., Ltd., however, has brought a separate action against Imperium in the U.S. District Court for the District of Delaware (C.A. No. 15-cv-1059-SLR) for breach of contract, relating to the Sony License. The Delaware Action has been stayed. The parties agree

D. CONTENTIONS OF THE PARTIES

IMPERIUM'S CONTENTIONS

Imperium seeks money damages from Defendant Samsung for infringement of the '884, '290 and '029 Patents.

The '884, '290 and '029 Patents are generally directed to inventions that improve the quality of images captured by image sensors that are used in, for example, digital cameras, mobile phones, laptops and tablet computers. The '884 Patent describes the invention of a circuit with the function of reducing flicker caused by light having a periodic intensity. The '290 Patent describes an inventive data interface circuit and CMOS ("complementary metal-oxide semiconductor") imaging apparatus that comprises a single-ended interface and a differential interface. The '029 Patent describes the invention of a circuit which adjusts image lighting after determining the amount of supplemental flash lighting needed to properly expose a photographic subject.

The accused products include digital cameras, mobile phones, laptops and computer tablets that are used, offered for sale, and sold by Samsung in the United States and that embody the inventions claimed in the '884, '290 and '029 Patents. Imperium contends that Samsung directly and/or indirectly infringes the '884, '290 and '029 Patents by using, offering for sale and selling the accused digital cameras, mobile phones, laptops and tablet computers. Imperium also contends that Samsung willfully infringes the '884, '290 and '029 Patents.

Imperium contends that Samsung should pay money damages to compensate Imperium for its respective infringement in the form of a reasonable royalty, as well as any other relief the

that Samsung's Delaware Action will not be referenced in front of the jury. *See* Section M (3). This agreement extends to any jury instructions, verdict forms, voir dire questioning, or other communications between the parties or the Court and the jury.

Court may find proper for such infringement. Imperium further contends that the award of damages should be increased as a result of Samsung's willful infringement.

Imperium denies that Samsung's counterclaims and affirmative defenses have any merit. Imperium contends that the asserted claims of each of the '884, '290 and '029 Patents are not invalid and are infringed by Samsung.

Imperium contends that Samsung is precluded by this Court's Scheduling Order from raising a defense based on the Sony license because, *inter alia*, Samsung indisputably never disclosed such an affirmative defense by the deadlines imposed by Rule 16 and this Court's Scheduling Order, and Samsung has failed to demonstrate the strict diligence and other good-cause factors required to amend or excuse those deadlines. *See, e.g.*, Dkt. No. 169 (Imperium's Response to Samsung's Motion for Leave to File Motion for Summary Judgment Out-of-Time), Dkt. No. 179 (Imperium's Opposition to Samsung's Motion to Stay Litigation Pending Determination of Imperium's Breach of the Sony License by the District Court of Delaware). As that defense is precluded by the Order and non-excusable, Samsung cannot raise it at trial. Despite this, Samsung indicates it will still attempt to raise this barred (and meritless) defense at trial. Accordingly, in an abundance of caution, Imperium intends to file a motion *in limine* to preclude argument, testimony, evidence or reference to Samsung's untimely Sony license defense.

SAMSUNG'S CONTENTIONS

Samsung's contentions in this case are detailed in part in its Answer, discovery responses, motions, invalidity and non-infringement contentions, and expert reports, which are all incorporated herein by reference. In summary, Samsung contends the following:

NON-INFRINGEMENT

1. Samsung contends that it does not infringe and has not infringed, directly or indirectly, any of the Asserted Claims of the '884, '029, and '290 patents, which are: claims 1, 5, 6, 14, 17, 18, and 19 of the '884 patent; claims 1, 6, and 7 of the '029 patent; and claims 1 and 10 of the '290 patent, either literally or under the Doctrine of Equivalents.
2. Samsung contends that Imperium cannot meet its burden of proving by a preponderance of the evidence direct infringement by Samsung of any Asserted Claim of the '884, '029, and '290 patents, either literally or under the Doctrine of Equivalents.
3. Samsung contends that Imperium cannot meet its burden of proving by a preponderance of the evidence direct infringement by third parties of any Asserted Claim of the '884, '029, and '290 patents, either literally or under the Doctrine of Equivalents.
4. Samsung contends that Imperium cannot meet its burden of proving by a preponderance of the evidence that Samsung induces or induced infringement of any Asserted Claim of the '884, '029, and '290 patents, either literally or under the Doctrine of Equivalents.
5. Samsung contends that Imperium cannot meet its burden of proving by a preponderance of the evidence that Samsung contributes to or contributed to infringement of any Asserted Claim of the '884, '029, and '290 patents, either literally or under the Doctrine of Equivalents.

6. Samsung contends that Imperium cannot meet its burden of proving by a preponderance of the evidence that Samsung had knowledge of infringement and the specific intent to cause direct infringement required for indirect infringement.
7. Samsung contends that the infringement claims against Samsung are barred, in whole or in part, by prosecution history estoppel.

INVALIDITY – ANTICIPATION/OBVIOUSNESS

8. Samsung contends that the Asserted Claim of the '884, '029, and '290 patents are invalid because they are anticipated by prior art under 35 U.S.C. § 102. This contention is based on numerous prior art references disclosed in Samsung's invalidity contentions and proposed amended invalidity contentions, and expert reports, all of which are incorporated herein by reference.
9. Samsung contends that the Asserted Claims of the '884, '029, and '290 patents are invalid because they are rendered obvious in light of the prior art under 35 U.S.C. § 103. This contention is based on numerous prior art references disclosed in Samsung's invalidity contentions and proposed amended invalidity contentions, and expert reports, all of which are incorporated herein by reference.

WILLFULNESS

1. Samsung contends that Samsung has not willfully infringed any Asserted Claim of the '884, '029, or '290 patents, and thus Imperium is not entitled to enhanced damages under 35 U.S.C. § 284.

2. Samsung contends that Imperium cannot meet its burden of proving that Samsung willfully infringed any Asserted Claim of the '884, '029, or '290 patents, and thus Imperium is not entitled to enhanced damages under 35 U.S.C. § 284.

LACHES

3. Samsung contends that Imperium's claims of patent infringement are barred by the equitable doctrine of laches.
4. Samsung contends that Imperium unreasonably and inexcusably delayed bringing suit against Samsung for over six years, and such delay caused Samsung to suffer material and evidentiary prejudice. Samsung intends to ask the Court to submit special interrogatories to the jury as part of the verdict form that are directed to factual issues underlying laches, including but not limited to whether Imperium knew or should have known that Samsung allegedly infringed Imperium's patents and unreasonably delayed bringing suit against Samsung.

DAMAGES AND OTHER RELIEF

5. Samsung contends that Imperium has not been damaged by Samsung's alleged conduct and is not entitled to any pre-verdict or post-verdict damages, including pre-judgment and post-judgment interest or costs.
6. Samsung contends that Imperium is barred by the 2013 Settlement and License Agreement entered into by Imperium and third parties Sony Corporation and Sony Mobile Communications (USA) Inc. from recovering damages for accused products that incorporate Sony image sensors. As Samsung has

previously explained in multiple papers, Imperium throughout discovery concealed its accusation of Samsung products containing Sony image sensors and its reliance on those sensors to purportedly demonstrate infringement. Samsung intends to file a motion *in limine* precluding Imperium from asserting that any accused product incorporating a Sony image sensor infringes any of the three patents-in-suit, or warrants damages.

7. Samsung contends that Imperium is barred because of ESS's agreement with MIPI, from recovering damages for any alleged infringement of the '290 patent.
8. Samsung contends that Imperium's claim for damages is limited by 35 U.S.C. § 287 because of a failure to mark.
9. Samsung contends that Imperium is not entitled to any supplemental damages, any accounting for damages or attorneys' fees, expenses, or costs.
10. Samsung contends that, even if infringement of the Asserted Claims of the '884, '029, or '290 patents is found, Imperium's proposed damages award is excessive and unsupportable. Samsung contends that, even if infringement of the Asserted Claims of the '884, '029, or '290 patents is found, Imperium is entitled to no more than the amount set forth in the Expert Report of Dr. Ray Perryman, including all supplements and exhibits thereto.

GENERAL

11. Samsung reserves the right to include additional contentions and disputed issues of fact and law based on (1) any expert reports, supplemental or otherwise; and (2) any motions on procedural or substantive issues—including

summary judgment motions, *Daubert* motions, motions to strike, and motions *in limine*—that may arise between the date of this document and (a) the pre-trial conference, and/or (b) trial.

E. STIPULATIONS AND UNCONTESTED FACTS

1. Stipulations

- a. Jurisdiction for Imperium’s infringement claims is proper in this Court.
- b. Venue for Imperium’s infringement claims is proper in this Court.

2. Uncontested Facts

- a. Plaintiff Imperium IP Holdings (Cayman), Ltd. is the owner of the patents-in-suit.
- b. Plaintiff Imperium IP Holdings (Cayman), Ltd. is incorporated in the Cayman Islands with its principal place of business in New York.
- c. Defendant Samsung Electronics Co., Ltd. is a South Korean company with its principal place of business at 416, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Korea.
- d. Defendant Samsung Electronics America, Inc. is a subsidiary of Samsung Electronics Co., Ltd. and is a corporation organized and existing under the laws of the State of New York with principal place of business in New Jersey.
- e. Defendant Samsung Semiconductor, Inc. is an indirect subsidiary of Samsung Electronics Co., Ltd. and is a California company with its principal place of business in California.
- f. On August 7, 2001, the USPTO issued United States Patent No. 6,271,884, entitled “Image Flicker Reduction With Fluorescent Lighting.”

- g. The named inventors of the '884 Patent are Randall M. Chung, Magued M. Bishay, and Joshua Ian Pine.
- h. On December 28, 2004, the USPTO issued United States Patent No. 6,836,290, entitled "Combined Single-Ended and Differential Signaling Interface."
- i. The named inventors of the '290 Patent are Randall M. Chung, Ferry Gunawan, and Dino D. Trotta.
- k. On August 15, 2006, the USPTO issued United States Patent No. 7,092,029, entitled "Strobe Lighting System for Digital Images."
- l. The named inventors of the '029 Patent are Robert A. Medwick and Glenn Stark.

F. CONTESTED ISSUES OF FACT AND LAW

- 1. Whether Samsung directly infringes claims 1, 5, 6, 14, 17, 18, or 19 of the '884 Patent.
- 2. Whether Samsung directly infringes claims 1 or 10 of the '290 Patent.
- 3. Whether Samsung directly infringes claims 1, 6, or 7 of the '029 Patent.
- 4. Whether Samsung indirectly infringes claims 1, 5, 6, 14, 17, 18, or 19 of the '884 Patent.
- 5. Whether Samsung indirectly infringes claims 1, 6, or 7 of the '029 Patent.
- 6. Whether Samsung has willfully infringed claims 1, 5, 6, 14, 17, 18, or 19 of the '884 Patent.
- 7. Whether Samsung has willfully infringed claims 1 or 10 of the '290 Patent.
- 8. Whether Samsung has willfully infringed claims 1, 6, or 7 of the '029 Patent.

9. Whether claims 1, 5, 6, 14, 17, 18, or 19 of the '884 Patent are invalid for failure to meet the requirements of 35 U.S.C. §§ 102 and/or 103.
10. Whether claims 1 or 10 of the '290 Patent are invalid for failure to meet the requirements of 35 U.S.C. §§ 102 and/or 103.
11. Whether claims 1, 6 or 7 of the '029 Patent are invalid for failure to meet the requirements of 35 U.S.C. §§ 102 and/or 103.
12. If liability is found as to Samsung, the amount of damages, if any, to which Imperium is entitled from Samsung.
13. Whether Imperium's claims of patent infringement are barred by the doctrine of laches.
14. Whether Imperium is barred by the 2013 Settlement and License Agreement entered into by Imperium and third parties Sony Corporation and Sony Mobile Communications (USA) Inc. from recovering damages for the accused products incorporating Sony image sensors.
15. Whether Samsung is licensed to the '290 patent because of ESS's agreement with MIPI.
16. Whether Imperium's claim for damages is limited by 35 U.S.C. § 287 because of a failure to mark.
17. Whether the claims against Samsung are barred, in whole or in part, by prosecution history estoppel.

G. LIST OF WITNESSES

The trial witness list for Imperium is attached as Appendix A.

The trial witness list for Samsung is attached as Appendix B.

H. LIST OF EXHIBITS²

Exhibits that Imperium expects to use at trial or may use at trial are listed in Appendix C.

Exhibits that Samsung expects to use at trial or may use at trial are listed in Appendix D.

I. LIST OF ANY PENDING MOTIONS

The following motions are pending as of the date of this Joint Pre Trial Order:

Docket No.	Pending Motion
107	Samsung's Motion to Amend/Correct Defendants' Motion for Leave to Amend Invalidity Contentions
109	Imperium's Sealed Motion for Leave to Amend Infringement Contentions (Partially Opposed)
125	Imperium's Opposed Sealed Motion for Leave to Amend Infringement Contentions to Add Samsung's Newly Released August 2015 Products
129	Samsung's Sealed Motion to Compel the Deposition Testimony of Alan M. Fisch
135	Samsung's Sealed Motion to Strike Products Imperium Failed to Accuse in its '029 Contentions From Imperium's Expert's Report
136	Samsung's Sealed Motion to Exclude Opinions of Dr. Cameron H.G. Wright Regarding Willful Infringement
137	Samsung's Sealed Motion to Exclude Opinions of Michele M. Riley Pursuant to Federal Rules of Evidence 402, 403, 702 and 703
143	Samsung's Sealed Motion to Strike Portions of Dr. Cameron H.G. Wright's Rebuttal Report Concerning Validity Positions Not Previously Disclosed by Imperium
144	Imperium's Opposed Sealed Motion to Strike Portions of the Expert Report of M. Ray Perryman, PhD
155	Samsung's Opposed Sealed Motion for Leave to File Motion for Summary Judgment Out of Time
157	Samsung's Sealed Motion for Partial Summary Judgment that the Accused Sony-Samsung Products Are Licensed
171	Samsung's Opposed Sealed Motion to Stay Litigation Pending Determination of Imperium's Breach of the Sony License by the District Court of Delaware
180	Samsung's Sealed Motion for Leave to File Further Claim Construction Briefing
186	Samsung's Opposed Sealed Motion For Leave to Submit Supplemental Expert Reports

² The parties reserve the right to use for purposes of cross-examination or impeachment, any and all materials, including but not limited to deposition transcripts, expert reports, and party submissions. Samsung anticipates that it will be able to streamline its exhibit list significantly after it has the opportunity to review Imperium's exhibit list.

This list of pending motions does not include the parties' motions *in limine*, which are due to be filed on the same day as this Joint Pre Trial Order (Dkt. No. 122).

J. PROBABLE LENGTH OF TRIAL

The probable length of trial is 5 or 6 days.

K. MANAGEMENT CONFERENCE LIMITATIONS

Docket No.	Limitation
71	Parties are limited to four expert witnesses each.

L. CERTIFICATIONS

The undersigned counsel for each of the parties in this action do hereby certify and acknowledge the following:

- (1) Full and complete disclosure has been made in accordance with the Federal Rules of Civil Procedure and the Court's Orders;
- (2) Discovery limitations set forth in the Federal Rules of Civil Procedure, the Local Rules and the Court's Orders have been complied with and not altered by agreement or otherwise;
- (3) Each exhibit in the List of Exhibits herein:
 - (a) is in existence;
 - (b) is numbered; and
 - (c) has been disclosed and shown to opposing counsel.

M. ADDITIONAL AGREEMENTS REACHED BY PARTIES

The Parties will continue to meet and confer to reach agreement on trial management procedures. Currently, the parties stipulate as follows:

(1) The parties agree that no party or witness will provide testimony or argument suggesting that the respective patents are entitled to priority dates before: April 29, 1999 ('290 Patent); September 28, 1999 ('884 Patent); March 24, 2000 ('029 Patent).

(2) The parties agree not to seek or use any testimony, questioning, or evidence regarding any political campaign contributions by any witnesses.

(3) The parties agree that no party or witness will provide testimony, argument, or evidence to the jury regarding Samsung's filing of a lawsuit against Imperium in the United States District Court for the District of Delaware (*Samsung Electronics Co., Ltd. v. Imperium IP Holdings (Cayman), Ltd.*, Case No. 1:15cv1059 (D. Del.)), or the existence or status of such lawsuit.

(4) The parties agree that Samsung will not refer to Imperium using the following or similar derogatory, disparaging, and/or pejorative terms: "patent troll," "pirate," "bounty hunter," "privateer," "bandit," "paper patent," "submarine patent," "stick up," "hold up," "shakedown," or "playing the lawsuit lottery." This agreement shall not prevent Samsung from, for example, arguing that Imperium is a patent assertion entity or non-practicing entity, or that Imperium does not make or sell products.

Approved as to form and substance:

s/ R. William Sigler _____

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Ltd., Samsung Electronics America, Inc., and
Samsung Semiconductor, Inc.*

SIGNED this 1st day of February, 2016.


AMOS L. MAZZANT
UNITED STATES DISTRICT JUDGE

CERTIFICATE OF SERVICE

I hereby certify that counsel of record who are deemed to have consented to electronic service are being served on December 30, 2015, with a copy of this document via the Court's CM/ECF systems per Local Rule CV-5(a)(3).

/s/ R. William Sigler
R. William Sigler

CERTIFICATE OF AUTHORIZATION TO FILE UNDER SEAL

I hereby certify that the foregoing document is authorized to be filed under seal pursuant to the Agreed Protective Order in this case.

/s/ R. William Sigler
R. William Sigler

Appendix A

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
SHERMAN DIVISION**

IMPERIUM IP HOLDINGS §
(CAYMAN), LTD., §
Plaintiff, §
v. § Case No. 4:14-cv-00371-ALM
SAMSUNG ELECTRONICS CO., §
LTD., et al., §
Defendants. §

PLAINTIFF IMPERIUM IP HOLDINGS (CAYMAN), LTD. WITNESS LIST

A. WITNESSES THAT WILL BE CALLED LIVE AT TRIAL

Robert Blair
Vincent Capone
Michele Riley
Dr. Cameron Wright

B. WITNESSES THAT MAY BE CALLED TO TESTIFY LIVE AT TRIAL

Jun Bang
Randall Chung
Daejin Jeon
Stuart Kaler
Jongsoo Lee
Joseph Melfi
John Michaelson
Alicia Moore
Joshua Pine
Daniel Shim
Dino Trotta

C. WITNESSES THAT MAY BE PRESENTED BY DEPOSITION TESTIMONY AT TRIAL

Jun Bang
Tim Benner
Sean Diaz
Stephanie Ebbeler
Jose Hernandez
Daejin Jeon
Jennifer Langan
Hae Sun Lee
Jihoon Lee
Jongsoo Lee
Jaehun Lim
Joseph Melfi
John Michaelson
Donguk Park
Min Kyu Park
Daniel Shim

Appendix B

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
SHERMAN DIVISION**

IMPERIUM IP HOLDINGS
(CAYMAN), LTD.,

Plaintiff and Counterclaim
Defendant,

v.

SAMSUNG ELECTRONICS CO.,
LTD., SAMSUNG ELECTRONICS
AMERICA, INC., SAMSUNG
TELECOMMUNICATIONS AMERICA,
LLC, AND SAMSUNG
SEMICONDUCTOR, INC.

Defendants and Counterclaim
Plaintiffs.

§ Case No. 4:14-cv-00371 (RC) (ALM)

§ **JURY TRIAL DEMANDED**

**DEFENDANT SAMSUNG'S
IDENTIFICATION OF TRIAL WITNESSES**

Pursuant to the Court's Amended Scheduling Order (Dkt. No. 122) in this case, Defendants Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Samsung Semiconductor, Inc. ("Samsung") hereby file this Identification of Trial Witnesses.

At this time, Samsung respectfully submits the following list of witnesses that it expects to call at trial and those that it may call at trial if the need arises. Samsung reserves the right to supplement, augment, or otherwise modify this list based on circumstances that may evolve prior to the commencement of trial. Samsung also reserves the right to call witnesses not included on the above lists as impeachment witnesses. Further, Samsung reserves the right to call any trial witness who appears on Plaintiff Imperium's trial witness list. Samsung also reserves the right to modify or supplement this list if Imperium alters its trial witness list.

Samsung currently intends to call the following witnesses live at trial:¹

- Dr. R. Jacob Baker
- Dr. Tim Benner
- Daejin Jeon
- Stuart Kaler
- Dr. Dean Neikirk
- Kenneth Parulski
- Dr. Ray Perryman

Samsung may call the following witnesses live at trial:

- Robert Blair
- Vincent Capone
- Alan Fisch
- John Michaelson

¹ Samsung's "Will Call" and "May Call" designations are subject to change depending upon the proof offered by Plaintiff during its case-in-chief.

Samsung currently intends to offer deposition designations for the following witnesses:²

- Magued Bishay
- Robert Blair
- Vincent Capone
- Randall Chung
- Robert Medwick
- Joseph Melfi
- John Michaelson
- Alicia Moore
- Joshua Pine
- Glenn Stark
- Dino Trotta

² Samsung reserves the right to add additional deposition designations to establish the foundation and authenticity of an exhibit to the extent the admissibility of a particular exhibit is challenged.

Appendix C

				United States District Court							
				Eastern District of Texas							
Imperium IP Holdings (Cayman), Ltd.				EXHIBIT LIST							
v.				Case Number: 4:14-cv-00371-ALM							
Samsung Electronics Co., Ltd. et al											

PX-012						Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-012 - 2015-07-20 Samsung's Supplemental Responses to Imperium's Interrogatories.pdf
PX-013						Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-013 - 2015-07-22 Samsung's Supplemental Responses to Imperium's Interrogatories.pdf
PX-014						Attachment D to Samsung's July 22, 2015 Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-014 - 2015-07-22 Samsung Attachment D.pdf
PX-015						Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-015 - Diaz Exhibit 6.pdf
PX-016						Attachment D to Samsung's July 27, 2015 Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-016 - 2015-07-27 Samsung Attachment D (7-27-15).pdf
PX-017						Samsung's September 7, 2015 Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-017 - 2015-09-07 Samsung's Supplemental Responses to Imperium's Interrogatories (Nos 1-17).pdf
PX-018						Samsung's September 27, 2015 Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-018 - 2015-09-27 Samsung Supplemental Response to Imperium Interrogatories.pdf
PX-019						Samsung's September 12, 2015 Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-019 - Perryman Exhibit 17.pdf
PX-020						Samsung's September 9, 2015 Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-020 - Diaz Exhibit 8.pdf
PX-021						Attachment G to Samsung's September 12, 2015 Supplemental Responses and Objections to Imperium's First and Second Interrogatories (Nos. 1-17)	PX-021 - 2015-09-12 Attachment G.pdf
PX-022					TRANS_SAM-371_00007153	TRANS_SAM-371_00007153 Flicker Description (English)	PX-022.pdf
PX-023					SAM-371_00007153	SAM-371_00007162 Flicker Description	PX-023.pdf
PX-024					SAM-371_00002877	SAM-371_00002970 S5K3H5XA datasheet, R0.26	PX-024 - SAM-371_00002877.pdf
PX-025						Samsung's October 13, 2015 Supplemental Responses and Objections to Imperium's First and Second Set of Interrogatories (Nos. 1-17)	PX-025 - 2015-10-13 Samsung Supplemental Response to Imperium Interrogatories.pdf

PX-026						Attachment H to Samsung's October 13, 2015 Supplemental Responses and Objections to Imperium's First and Second Interrogatories (Nos. 1-17)	PX-026 - 2015-10-13 Attachment H.pdf
PX-027				SAM-371_00445047	SAM-371_00445050	Kaler - Jun Bang Email Communs.	PX-027 - SAM-371_00445047.pdf
PX-028				IIPH_SAM00003850	IIPH_SAM00003877	Defendant's Joint invalidity Contentions - Imperium v. Apple	PX-028 - Neikirk Exhibit 13.pdf
PX-029				IIPH_SAM00003878	IIPH_SAM00003910	Defendant's Joint invalidity Contentions Exhibit A-1 - Imperium v. Apple	PX-029 - Neikirk Exhibit 16.pdf
PX-030				IIPH_SAM00363046	IIPH_SAM00363072	Patent Assignment between ESS and IIPH	PX-030 - IIPH_SAM00363046.pdf
PX-031				IIPH_SAM00004036	IIPH_SAM00004095	Defendant's Joint invalidity Contentions Exhibit A-14 - Imperium v. Apple	PX-031 - Neikirk Exhibit 15.pdf
PX-032				IIPH_SAM00004123	IIPH_SAM00004147	Defendant's Joint invalidity Contentions Exhibit A-17 - Imperium v. Apple	PX-032 - Neikirk Exhibit 17.pdf
PX-033				SAM-371_00146435	SAM-371_00146485	Qcamera Auto Exposure Control, Application	PX-033 - SAM-371_00146435.pdf
PX-034				IIPH_SAM00004465	IIPH_SAM00004508	Defendant's Joint invalidity Contentions Exhibit A-7 - Imperium v. Apple	PX-034 - Neikirk Exhibit 18.pdf
PX-035				IIPH_SAM00007589	IIPH_SAM00007616	Defendant's RIM Corp.'s Invalidity Contentions - Imperium v. Apple	PX-035 - Neikirk Exhibit 14.pdf
PX-036				IIPH_SAM00015442	IIPH_SAM00015523	Intellectual Property Agreement between Conexant Systems, Inc. and Pictos	PX-036 - Perryman Exhibit 6.pdf
PX-037				IIPH_SAM00084422	IIPH_SAM00084431	License Agreement between Pictos and ESS	PX-037 - IIPH_SAM00084422.pdf
PX-038				SAM-371_00445062	SAM-371_00445063	Kaler - Jun Bang and JongSoo Lee Email	PX-038.pdf
PX-039				IIPH_SAM00085446	IIPH_SAM00085468	Patent Agreement between IIPH and ESS	PX-039.pdf
PX-040				SAM-371_00447667	SAM-371_00447780	2011 Mobility Imaging Study	PX-040 - SAM-371_00447667.pdf
PX-041						Exhibit Intentionally Left Blank	PX-041.pdf
PX-042				SAM-371_00445064	SAM-371_00445066	Kaler - Jun Bang and Jongsoo Lee Email	PX-042 - exhibit 11.pdf
PX-043				SAM-371_00438265	SAM-371_00438268	Samsung NV40 - Digital Camera Series Specifications, CNET	PX-043 - SAM-371_00438265.pdf
PX-044				OV-00001	OV-00054	OmniVision AEC Algorithm, Rev. 1.0	PX-044 - OV-00001.pdf
PX-045				IIPH_SAM00086278	IIPH_SAM00086292	Email from Jim Boyd to Greg Franceschi re	PX-045 - exhibit 8.pdf
PX-046				SAM-371_00445067	SAM-371_00445069	Kaler - Jun Bang and Jongsoo Lee Email	PX-046 - SAM-371_00445067.pdf
PX-047				SAM-371_00445075	SAM-371_00445075	Kaler - Jun Bang and JongSoo Lee Email	PX-047 - SAM-371_00445075.pdf
PX-048				IIPH_SAM00359789	IIPH_SAM00359789	ESS Technology - Meeting of Board of Directors (IP Licensing Update)	PX-048 - exhibit 20.pdf
PX-049				IIPH_SAM00359790	IIPH_SAM00359791	ESS Technology - Meeting of Board of Directors (IP Licensing Update)	PX-049 - exhibit 21.pdf
PX-050				SAM-371_00450472	SAM-371_00450518	Primary Research - Spotlight on Smartphones	PX-050 - exhibit 19.pdf
PX-051				IIPH_SAM00359917	IIPH_SAM00359918	Email from Becky Norquist to Bob Blair re IPHarbor Request	PX-051 - exhibit 34.pdf
PX-052				IIPH_SAM00359915	IIPH_SAM00359916	Email from Steven Adams to Bob Blair re	PX-052 - exhibit 35.pdf
PX-053				IIPH_SAM00359922	IIPH_SAM00359922	ESS Technology - Rev Share with Opt Out	PX-053 - IIPH_SAM00359922.pdf
PX-054				SAM-371_00445091	SAM-371_00445092	Kaler - Jun Bang and Jongsoo Lee Email	PX-054 - Exhibit 33.pdf

PX-055				SAM-371_00000189	SAM-371_00000309	MIPI Alliance Specification for D-PHY	PX-055 - DongukPark Exhibit 7.pdf
PX-056				IIPH_SAM00359944	IIPH_SAM00359945	Handwritten Notes of a meeting with Micron	PX-056 - IIPH_SAM00359944.pdf
PX-057				IIPH_SAM00359977	IIPH_SAM00359979	Email from Alicia Moore (ESS) to ody1101@lge.com re ESS/IIPH, Ltd. Patent	PX-057 - Exhibit 36.pdf
PX-058				IIPH_SAM00360070	IIPH_SAM00360072	Email from Alicia J. Moore (Comcast) to Daniel Carlineo re ESS/IIPH, Ltd. Patent	PX-058 - exhibit 27.pdf
PX-059				SAM-371_00445093	SAM-371_00445097	Kaler - JongSoo Email Communs.	PX-059 - SAM-371_00445093.pdf
PX-060				SAM-371_00449649	SAM-371_00449691	Spotlight on Smartphones - Special Data Analysis of InfoTrends' 2012 Mobile Imaging	PX-060 - exhibit 18.pdf
PX-061				IIPH_SAM00360100	IIPH_SAM00360105	Email from Alicia J. Moore (Comcast) to Alicia Moore (ESS) re IIPHL Patent Portfolio with	PX-061 - exhibit 21.pdf
PX-062				IIPH_SAM00360101	IIPH_SAM00360103	Patent Monetization Business Plan for IIPH	PX-062 - IIPH_SAM00360101.pdf
PX-063				IIPH_SAM00360104	IIPH_SAM00360105	Excel Sheet re CMOS Image Sensors and costs of litigation	PX-063 - IIPH_SAM00360104.pdf
PX-064				IIPH_SAM00360163	IIPH_SAM00360181,	Email from Ryan Clark to Alicia Moore (ESS) re IIPH/ESS Patent Portfolio with attachment	PX-064 - exhibit 22.pdf
PX-065				IIPH_SAM00360273	IIPH_SAM00360275	Email from Michael Anglin to Alicia Moore (ESS) re Today's Call with attachment	PX-065 - exhibit 24.pdf
PX-066				SAM-371_00000024	SAM-371_00000051	User Guide	PX-066 - DongukPark Exhibit 6.pdf
PX-067				IIPH_SAM00360276	IIPH_SAM00360277	Email from Alicia J. Moore (Comcast) to David Shoneman (Princeton) re ESS technology - Alicia to call Dave	PX-067 - IIPH_SAM00360276.pdf
PX-068				IIPH_SAM00360278	IIPH_SAM00360278	Email from Alicia J. Moore (Comcast) to David Shoneman (Princeton) re Shoneman concept analysis 9-14-09	PX-068 - IIPH_SAM00360278.pdf
PX-069				IIPH_SAM00360279	IIPH_SAM00360280	Shoneman Concept Analysis	PX-069 - IIPH_SAM00360279.pdf
PX-070				SAM-371_00002758	SAM-371_00002759	Samsung 13 MP 1/3.06" CMOS Image Sensor	PX-070 - Ebbeler Exhibit 10.pdf
PX-071				IIPH_SAM00360292	IIPH_SAM00360293	Email from Becky Norquist to Bob Blair re IPHarbor Request	PX-071 - IIPH_SAM00360292.pdf
PX-072				IIPH_SAM00363598	IIPH_SAM00363600	Email from Alicia J. Moore (Comcast) to Alicia Moore (ESS) re ESS Concept	PX-072 - exhibit 24.pdf
PX-073				SAM-371_00445033	SAM-371_00445034	ESS Letter re ESS Technology and Imperium IP Holdings	PX-073 - SAM-371_00445033.pdf
PX-074				IIPH_SAM00363610	IIPH_SAM00363612	Email from Alicia J. Moore (Comcast) to Bob Blair re ESS/IIPH, Ltd. Patent Portfolio	PX-074 - exhibit 26.pdf
PX-075				IIPH_SAM00363920	IIPH_SAM00363924	Email from Alicia J. Moore (Comcast) to Peter Snow re Interest in ESS Technology patent portfolio with attachment	PX-075 - Exhibit 29.pdf
PX-076				IIPH_SAM00364321	IIPH_SAM00364328	"Be Creative, Be Expressive with the Galaxy Note II" Samsung Mobile Press Release	PX-076 - IIPH_SAM00364321.pdf
PX-077				SAM-371_00000125	SAM-371_00000125	D-PHY Diagram	PX-077 - SAM-371_00000125.pdf
PX-078				SAM-371_00445098	SAM-371_00445099	Kaler - Jun Bang Email Communs.	PX-078 - SAM-371_00445098.pdf
PX-079				SAM-371_00445100	SAM-371_00445103	Kaler - Jun Bang Email Communs.	PX-079 - SAM-371_00445100.pdf

PX-080				IIPH_SAM00360220	IIPH_SAM00360220	Summary of Expected Royalty for 2010-2014	PX-080 - Exhibit 37.pdf
PX-081				IIPH_SAM00360221	IIPH_SAM00360224	Email from Alicia J. Moore (Comcast) to Alicia Moore (ESS) re information to address Board concerns with attachment	PX-081 - Exhibit 23.pdf
PX-082				IIPH_SAM00360218	IIPH_SAM00360219	Email from Alicia J. Moore (Comcast) to Alicia Moore (ESS) re Information to Address Board	PX-082 - IIPH_SAM00360218.pdf
PX-083				SAM-371_00157929	SAM-371_00157938	Software License Agreement between Broadcom Corporation and Samsung	PX-083 - SAM-371_00157929.pdf
PX-084				IIPH_SAM00365776	IIPH_SAM00365790	Email from Jim Boyd to Greg Franceschi re	PX-084 - exhibit 16.pdf
PX-085				SAM-371_00445104	SAM-371_00445107	Kaler - Jun Bang Email Communs.	PX-085 - SAM-371_00445104.pdf
PX-086				SAM-371_00445108	SAM-371_00445111	Kaler - Jun Bang Email Communs.	PX-086 - SAM-371_00445108.pdf
PX-087				SAM-371_00445112	SAM-371_00445116	Kaler - Jun Bang Email Communs.	PX-087 - SAM-371_00445112.pdf
PX-088				TRANS_SAM-371_00000001	TRANS_SAM-371_00000013	Flash aE Algorithm (English)	PX-088 - HS Lee Exhibit 10A.pdf
PX-089				SAM-371_00000001	SAM-371_00000013	Flash aE Algorithm	PX-089 - HS Lee Exhibit 10B.pdf
PX-090				IIPH_SAM00360234	IIPH_SAM00360236	Camera Phone Market Trend Graph with expected royalty rates	PX-090 - exhibit 13.pdf
PX-091				IIPH_SAM00366256	IIPH_SAM00366266	Email from Alicia J. Moore (Comcast) to Bob Blair re Back Side Illuminated CMOS Image	PX-091 - IIPH_SAM00366256.pdf
PX-092				IIPH_SAM00365692	IIPH_SAM00365693	Handwritten Notes of a meeting with Micron	PX-092 - IIPH_SAM00365692.pdf
PX-093				SAM-371_00445122	SAM-371_00445124	Kaler - Jun Bang Email Communs.	PX-093 - exhibit 10.pdf
PX-094				IIPH_SAM00366267	IIPH_SAM00366272	Handwritten Notes of a meeting between Farjami and LGE	PX-094 - IIPH_SAM00366267.pdf
PX-095				SAM-371_00445125	SAM-371_00445128	Kaler - Jun Bang Email Communs.	PX-095 - SAM-371_00445125.pdf
PX-096				SAM-371_00448503	SAM-371_00448519	Digital Imaging Industry outlook (US)	PX-096 - SAM-371_00448503.pdf
PX-097				IIPH_SAM00372327	IIPH_SAM00372333	Consulting Services Retention Agreement between Imperium, ESS, and Alicia Moore	PX-097 - IIPH_SAM00372327.pdf
PX-098				SAM-371_00200100	SAM-371_00200117	STW Strobo Algorithm, ver. 1.0	PX-098 - SAM-371_00200100.pdf
PX-099				TRANS_SAM-371_00200100	TRANS_SAM-371_00200117	STW Strobo Algorithm, ver. 1.0 (English)	PX-099 - TRANS_SAM-371_00200100.pdf
PX-100				IIPH_SAM00002771	IIPH_SAM00002794	IIPH - Apple Settlement Agreement	PX-100 - IIPH_SAM00002771.pdf
PX-101				IIPH_SAM00363086	IIPH_SAM00363097	IIPH - Samsung Techwin Settlement	PX-101.pdf
PX-102				IIPH_SAM00364017	IIPH_SAM00364037	IIPH - Sony Settlement Agreement	PX-102.pdf
PX-103				IIPH_SAM00002795	IIPH_SAM00002811	IIPH - LG Settlement Agreement	PX-103.pdf
PX-104				IIPH_SAM00363643	IIPH_SAM00363661	IIPH - Motorola Settlement Agreement	PX-104.pdf
PX-105				IIPH_SAM00363694	IIPH_SAM00363711	IIPH - Nokia Settlement Agreement	PX-105.pdf
PX-106				IIPH_SAM00363988	IIPH_SAM00364014	RIM Ltd. - IIPH Settlement Agreement	PX-106.pdf
PX-107				IIPH_SAM00363666	IIPH_SAM00363687	IIPH - Kyocera Settlement Agreement	PX-107.pdf
PX-108				IIPH_SAM00016758	IIPH_SAM00016783	Chronicle License	PX-108.pdf
PX-109				IIPH_SAM00372352	IIPH_SAM00372375	Email from Phil Stern to Alicia Moore (ESS) re Bid for ESS Patent Portfolio with attachment	PX-109.pdf
PX-110				IIPH_SAM00375013	IIPH_SAM00375015	Email from William Mandir to Alan Fisch re Imperium v. Samsung Techwin - Rule 408	PX-110.pdf

PX-111				SAM-371_00005651	SAM-371_00005683	Samsung Flash Algorithm	PX-111 - SAM-371_00005651.pdf
PX-112				IIPH_SAM00372378	IIPH_SAM00372388	Ryanc@intven.com re IIPH,Ltd./ESS Technologies, LLP--preliminary materials with attachment	PX-112.pdf
PX-113				IIPH_SAM00372389	IIPH_SAM00372390	ESS Technology - Meeting of Board of Directors (IP Licensing Update)	PX-113.pdf
PX-114				IIPH_SAM00372391	IIPH_SAM00372393	Consulting Agreement - Litigation Management Project Scope of Work (2nd)	PX-114.pdf
PX-115				IIPH_SAM00372394	IIPH_SAM00372408	Email from Jim Boyd to Greg Franceschi re	PX-115.pdf
PX-116				IIPH_SAM00372411	IIPH_SAM00372413	Confidential Settlement Agreement and Mutual Release between Imperium and Alicia	PX-116.pdf
PX-117				IIPH_SAM00372414	IIPH_SAM00372417	Email from Bob Blair to Alicia Moore (ESS) re Follow up question on Chronicle's Progress	PX-117.pdf
PX-118				IIPH_SAM00372444	IIPH_SAM00372483	Email from Alicia J. Moore (Comcast) to Alicia Moore (ESS) re ESS with attachment	PX-118.pdf
PX-119				IIPH_SAM00372484	IIPH_SAM00372494	Email from Alicia J. Moore (Comcast) to Alicia Moore (ESS) re Final Proposal... with	PX-119.pdf
PX-120				IIPH_SAM00360097	IIPH_SAM00360099	Email from Alicia J. Moore (Comcast) to Daniel Carlineore IIPHL Patent Portfolio	PX-120 - IIPH_SAM00360097.pdf
PX-121				IIPH_SAM00374927	IIPH_SAM00374929	Imperium - Meeting of Board of Directors	PX-121.pdf
PX-122				SAM-371_00007851	SAM-371_00007934	EX2F Service Manual	PX-122 - SAM-371_00007851.pdf
PX-123				IIPH_SAM00374944	IIPH_SAM00374944	Email from Stuart Kaler to Vincent Capone re Great Evening	PX-123.pdf
PX-124				IIPH_SAM00374945	IIPH_SAM00374945	Email from Stuart Kaler to Joerg Ferchau re Introductions	PX-124.pdf
PX-125				IIPH_SAM00374946	IIPH_SAM00374948	Email from Stuart Kaler to Vincent Capone re NYTimes.com Drexel Works to Build Up	PX-125.pdf
PX-126				IIPH_SAM00376250	IIPH_SAM00376286	ESS Technologies Patent Licensing Program	PX-126.pdf
PX-127				IIPH_SAM00376526	IIPH_SAM00376527	Imperium Report - Basis for Valuation per	PX-127.pdf
PX-128				IIPH_SAM00376528	IIPH_SAM00376529	Imperium Report - Basis for Valuation per	PX-128.pdf
PX-129				IIPH_SAM00376587	IIPH_SAM00376587	Imperium Report - Basis for Valuation per	PX-129.pdf
PX-130				IIPH_SAM00359860	IIPH_SAM00359868	ESS Technologies Patent Licensing Program	PX-130 - IIPH_SAM00359860.pdf
PX-131				SAM-371_00008205	SAM-371_00008277	EK-GC200 Service Manual	PX-131 - SAM-371_00008205.pdf
PX-132				SAM-371_00009513	SAM-371_00009606	8. Level 3 Repair	PX-132 - SAM-371_00009513.pdf
PX-133				IIPH_SAM00376624	IIPH_SAM00376630	Subpoena to Samsung Semiconductor	PX-133 - IIPH_SAM00376624.pdf
PX-134				IIPH_SAM00376631	IIPH_SAM00376641	Subpoena to Samsung Semiconductor	PX-134 - IIPH_SAM00376631.pdf
PX-135				IIPH_SAM00376642	IIPH_SAM00376644	Letter from R. William Sigler to A. Lyon	PX-135 - IIPH_SAM00376642.pdf
PX-136				IIPH_SAM00376645	IIPH_SAM00376645	Letter from R. William Sigler to A. Lyon	PX-136 - IIPH_SAM00376645.pdf
PX-137				IIPH_SAM00376646	IIPH_SAM00376646	Letter from R. William Sigler to A. Lyon	PX-137 - IIPH_SAM00376646.pdf
PX-138				IIPH_SAM00376647	IIPH_SAM00376647	Letter from R. William Sigler to A. Lyon	PX-138 - IIPH_SAM00376647.pdf
PX-139				IIPH_SAM00376648	IIPH_SAM00376648	Letter from R. William Sigler to A. Lyon	PX-139 - IIPH_SAM00376648.pdf
PX-140				SAM-371_00439124	SAM-371_00439159	Tessera Optimal Focus Technology License Agreement	PX-140.pdf

PX-141					SAM-371_00439191	SAM-371_00439198	First Amendment to Tessera Optimal Focus Technology License Agreement	PX-141.pdf
PX-142					SAM-371_00439160	SAM-371_00439169	Second Amendment to Tessera Optimal Focus Technology License Agreement	PX-142.pdf
PX-143					SAM-371_00439086	SAM-371_00439123	Tessera Optimal Zoom Technology License Agreement	PX-143.pdf
PX-144					IIPH_SAM00376649	IIPH_SAM00376649	Letter from A. Lyon to R. William Sigler	PX-144 - IIPH_SAM00376649.pdf
PX-145					IIPH_SAM00376650	IIPH_SAM00376651	Letter from S. Jordan to A. Lyon	PX-145 - IIPH_SAM00376650.pdf
PX-146					IIPH_SAM00376778	IIPH_SAM00376780	Washington Post Article - "Camera Phone Pioneer Ponders the Impact"	PX-146 - IIPH_SAM00376778.pdf
PX-147					IIPH_SAM00376787	IIPH_SAM00376916	ESS Technology, Inc form 10-K for the period ended December 31, 2003	PX-147 - IIPH_SAM00376787.pdf
PX-148					IIPH_SAM00376917	IIPH_SAM00377000	ESS Technology, Inc. Form 10-K for period ended December 31, 2007	PX-148 - IIPH_SAM00376917.pdf
PX-149					IIPH_SAM00377043	IIPH_SAM00377312	OmniVision Technologies, Inc. Form 10-K for the period ended April 30, 2007	PX-149 - IIPH_SAM00377043.pdf
PX-150					SAM-371_00439199	SAM-371_00439210	Cal-Tech - Samsung Settlement and License Agreement	PX-150.pdf
PX-151					SAM-371_00455395	SAM-371_00455416	Development Agreement between University of Zurich and Samsung	PX-151.pdf
PX-152					SAM-371_00439070	SAM-371_00439085	Dynamic vision Sensor Technology License	PX-152.pdf
PX-153					IIPH_SAM00377321	IIPH_SAM00377325	PRNewsWire - "ESS Technology Acquires Pictos Technologies, Inc."	PX-153 - IIPH_SAM00377321.pdf
PX-154					IIPH_SAM00377435	IIPH_SAM00377438	Company Overview of Samsung Electronics America, Inc	PX-154 - IIPH_SAM00377435.pdf
PX-155					IIPH_SAM00377439	IIPH_SAM00377443	Samsung 2012 First Quarter Earnings Results	PX-155 - IIPH_SAM00377439.pdf
PX-156					IIPH_SAM00377444	IIPH_SAM00377446	Company Overview of Samsung	PX-156 - IIPH_SAM00377444.pdf
PX-157					IIPH_SAM00377496	IIPH_SAM00377498	WSJ Article - "Samsung to Merge Two US	PX-157 - IIPH_SAM00377496.pdf
PX-158					SAM-371_00009609	SAM-371_00009618	GT-I9300 Service Manual	PX-158 - SAM-371_00009609.pdf
PX-159					SAM-371_00009634	SAM-371_00009681	8. Level 3 Repair	PX-159 - SAM-371_00009634.pdf
PX-160							Samsung's March 12, 2015 Invalidity Contentions	PX-160.pdf
PX-161					SAM-371_00000052	SAM-371_00000101	MIPI D-PHY CS6 User Guide, revision 0.93	PX-161 - SAM-371_00000052.pdf
PX-162					SAM-371_00000102	SAM-371_00000124	User Guide	PX-162.pdf
PX-163					SAM-371_00000310	SAM-371_00000401	MIPI Alliance Standard for D-PHY	PX-163.pdf
PX-164					SAM-371_00000940	SAM-371_00000942	"Samsung Galaxy S4 mini Coming to the U.S. Next Month," Samsung Mobile	PX-164 - SAM-371_00000940.pdf
PX-165					SAM-371_00000950	SAM-371_00000951	"Verizon Wireless Introduces the Galaxy Nexus by Samsung"	PX-165 - SAM-371_00000950.pdf
PX-166					SAM-371_00000975	SAM-371_00000976	Samsung Galaxy Tab 10.1 News Release	PX-166.pdf
PX-167					SAM-371_00001014	SAM-371_00001016	"T-Mobile to Debut the Samsung Galaxy S III on June 21,"	PX-167 - SAM-371_00001014.pdf

PX-168				SAM-371_00001023	SAM-371_00001024	Nexus S 4G Information Guide	PX-168 - SAM-371_00001023.pdf
PX-169				SAM-371_00001192	SAM-371_00001202	"Galaxy S4 (AT&T), Black Mist"	PX-169 - SAM-371_00001192.pdf
PX-170				QCIMPERIUMSS371_0007713	QCIMPERIUMSS371_000776	MSM8274/MSM8674/MSM8974 Chipset Design Guidelines – Introduction, Rev. B	PX-170 - QCIMPERIUMSS371_0007713.pdf
PX-171				QCIMPERIUMSS371_0000001	QCIMPERIUMSS371_000156	MSM8274/MSM8274AB, MSM8674/MSM8674AB, and	PX-171 - QCIMPERIUMSS371_0000001.pdf
PX-172				QCIMPERIUMSS371_0007906	QCIMPERIUMSS371_0008093	MSM8x26/MSM8x28, MSM8926/MSM8928, and APQ8026/APQ8028 Design Guidelines	PX-172 - QCIMPERIUMSS371_0007906.pdf
PX-173				QCIMPERIUMSS371_0008241	QCIMPERIUMSS371_0008364	MSM8926/MSM8928 Device Specification, Rev. K	PX-173 - QCIMPERIUMSS371_0008241.pdf
PX-174				QCIMPERIUMSS371_0010374	QCIMPERIUMSS371_0010482	APQ8084 Device Specification (Advance Information), Rev. C	PX-174 - QCIMPERIUMSS371_0010374.pdf
PX-175				QCIMPERIUMSS371_0046627	QCIMPERIUMSS371_0047132	MSM8974 Camera System High-Level Design Document	PX-175 - QCIMPERIUMSS371_0046627.pdf
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PX-762*				SAM-371-SC_00683	SAM-371-SC_00694	TsFlickerAlgorithm.c	
PX-763*				SAM-371-SC_03514	SAM-371-SC_03525	TsFlickerAlgorithm.c	
PX-764*				SAM-371-SC_03257	SAM-371-SC_03273	Source Code	
* Exhibit comprises source code that will be submitted in hard copy format.							

Appendix D

UNITED STATES DISTRICT COURT EASTERN DISTRICT OF TEXAS SHERMAN DIVISION

Plaintiff's Imperium IP Holdings (Cayman), Ltd. v Defendant's Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., Samsung Telecommunications America, LLC, And Samsung Semiconductor, Inc.

Exhibit and Witness List

Case No. 4:14-cv-00371 (ALM)

Presiding Judge: The Honorable Amos L. Mazzant		Plaintiff's Attorney: Fisch Sigler LLP		Defendant's Attorney: Ropes & Gray LLP, and Siebman, Burg, Phillips & Smith, LLP, and Potter Minton	
Trial Dates: 2/1/2016 - 2/5/2016		Court Reporter: Jan Mason		Courtroom Deputy: Debra McCord	
Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0001</u>				Subpoena to Testify for Magued Bishay
	<u>DX-0002</u>				LinkedIn profile for Magued Bishay
	<u>DX-0003</u>				1999-01-00 - Bishay Conexant Notebook (IIPH_SAM00365155 - IIPH_SAM00365176)
	<u>DX-0004</u>				1999-08-00 - Bishay Conexant Notebook (IIPH_SAM00365177 - IIPH_SAM00365185)
	<u>DX-0005</u>				2000-01-00 - Document entitled "Modes of Operation" by Magued Bishay (IIPH_SAM00365186 - IIPH_SAM00365208)
	<u>DX-0006</u>				1999-04-16 - Document entitled "CN0352 Digital CMOS Imager Datasheet" (IIPH_SAM00374191 - IIPH_SAM00374209)
	<u>DX-0007</u>				Document entitled "USB Camera Module Solution Brochure" (IIPH_SAM00374024 - IIPH_SAM00374025)
	<u>DX-0008</u>				Document entitled "USB Camera Chipset Solution - CMOS Image Sensor CN0352 and Camera Engine CN0352p Brochure" (IIPH_SAM00079636 - IIPH_SAM00079641)
	<u>DX-0009</u>				Subpoena to Testify at a Deposition in a Civil Action - Robert Blair
	<u>DX-0010</u>				Subpoena to Testify at a Deposition in a Civil Action - ESS Technology, Inc.

EXHIBIT AND WITNESS LIST – CONTINUATION
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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0011</u>				2012-11-14 Deposition testimony for Robert Blair in Imperium v. Apple et al. case (Vol. 1) (IIPH_SAM00365209 - IIPH_SAM00365265)
	<u>DX-0012</u>				2012-11-14 Deposition testimony for Robert Blair in Imperium v. Apple et al. case (Vol.2) (IIPH_SAM00365266 - IIPH_SAM00365325)
	<u>DX-0013</u>				2014-02-13 - Imperium IP Holdings (Cayman), Ltd - Minutes of the Meeting of the Board of Directors February 13, 2014 (IIPH_SAM00374927 - IIPH_SAM00374929)
	<u>DX-0014</u>				2015-03-25 - Imperium IP Holdings (Cayman), Ltd - Draft Minutes of the Meeting of the Board of Directors March 25, 2015 - Via Telephone Conference (IIPH_SAM00374942 - IIPH_SAM00374943)
	<u>DX-0015</u>				2009-01-23 - Minutes of the ESS Technology Board of Directors Meeting (IIPH_SAM00085705 - IIPH-SAM00085708)
	<u>DX-0016</u>				2010-04-06 - Imperium IP Holdings (Cayman), Ltd - Minutes of the Meeting of the Board of Directors April 6, 2010 - Via Telephone Conference (IIPH_SAM00376604 - IIPH-SAM00376623)
	<u>DX-0017</u>				Document entitled "IIPH Ownership" (RB000029 - RB000030)
	<u>DX-0018</u>				2006-11-01 - The MIPI Membership Agreement with ESS Technology (IIPH_SAM00364564 - IIPH_SAM00364584)
	<u>DX-0019</u>				2014-10-21 - Email Steven Brown to Lisa Magliaro; admin@mipi.org and Caltow Wong Re: REMINDER - MIPI Alliance Request for Financial Statements - ESS Technology, Inc. (ESS000011 - ESS000015)
	<u>DX-0020</u>				2004-12-28 - Chung U.S. Patent No. 6,836,290 entitled "Combined Single-Ended and Differential Interface"
	<u>DX-0021</u>				2001-08-07 - Chung U.S. Patent No. 6,271,884 entitled "Image Flicker reduction With Fluorescent Lighting"
	<u>DX-0022</u>				2007-04-24 - Email Jim Boyd to Bob Blair, Steven Brown and Wendy Chafer Re: Valuation (IIPH_SAM00365775 - IIPH_SAM00365775)
	<u>DX-0023</u>				2007-04-27 - Email Jim Boyd to Greg.franceschi@duffandphelps.com; Steven Brown and Wendy Chafer Re: FW: Valuation with attached patent spreadsheets (IIPH_SAM00365776 - IIPH_SAM00365790)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	DX-0024				2009-01-29 - Imperium IP Holdings, Ltd. LLC membership interest memo entitled "Basis for Valuation per FAS 157" by John Michaelson (IIPH_SAM00376587 - IIPH_SAM00376587)
	DX-0025				2009-08-22 - Imperium IP Holdings, Ltd. LLC membership interest memo entitled "Basis for Valuation per FAS 157" by John Michaelson (IIPH_SAM00376528 - IIPH_SAM00376529)
	DX-0026				2009-12-31 - Imperium IP Holdings, Ltd. LLC membership interest memo entitled "Basis for Valuation per FAS 157" by John Michaelson (IIPH_SAM00376526 - IIPH_SAM00376527)
	DX-0027				2008-10-23 - ESS Technology Minutes of the Meeting of the Board of Directors October 23, 2008 - IP Licensing Update (IIPH_SAM00359789 - IIPH_SAM00359789)
	DX-0028				2008-11-21 - ESS Technology Minutes of the Meeting of the Board of Directors November 21, 2008 - IP Licensing Update (IIPH_SAM00359790 - IIPH_SAM00359791)
	DX-0029				2008-08-00 - Pachira document entitled "ESS Technologies Patent Licensing Program" by Steven Adam and Chuck Donohoe (IIPH_SAM00376250 - IIPH_SAM00376286)
	DX-0030				2009-12-14 - Email Alicia Moore to Bob Blair Re: FW: Back Side Illuminated CMOS Image sensors with attached document entitled "Pachira ESS Technologies Patent Licensing Program December 11, 2009" (IIPH_SAM00366256 - IIPH_SAM00366266)
	DX-0031				2009-12-11 - Document entitled "Pachira ESS Technologies Patent Licensing Program December 11, 2009" (IIPH_SAM00084612 - IIPH_SAM00084620)
	DX-0032				2009-04-00 - Document entitled "IIPH,Ltd./ESS Technologies Patent Portfolio preliminary information" (IIPH_SAM00359931 - IIPH_SAM00359940)
	DX-0033				2008-08-18 - Email Becky Norquist (Imperium Partners) to Bob Blair Re: IP Harbor request (IIPH_SAM00359917 - IIPH_SAM00359919)
	DX-0034				2008-10-15 - Email chain Steve Adams (Pachira) to Bob Blair Re: FW: Patents (IIPH_SAM00359915 - IIPH_SAM00359916)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0035</u>				Undated Document entitled "Summary of expected Royalty for 2010 - 2014" (IIPH_SAM00360220 - IIPH_SAM00360220)
	<u>DX-0036</u>				Collection of Bob Blair's handwritten notes dated between 10/09/2008 and 6/03/2009 from meetings and presentations with Farjami & Farjami and LGE and a meeting with WIAV and Daniel Carlineo (IIPH_SAM00366267 - IIPH_SAM00366272)
	<u>DX-0037</u>				2010-04-09 - Email Kevin Greene to John Michaelson Re: IP Holdings and ESS update (IIPH_SAM00376601 - IIPH_SAM00376603)
	<u>DX-0038</u>				2014-09-05 - Letter Bob Blair to Whom It May Concern (Samsung) with cc: Peter Sung (ESS Korea) and Robert Wong (ESS Fremont) Re: ESS Technology and Imperium IP Holdings (SAM-371_00445033 - SAM-371_00445034)
	<u>DX-0039</u>				2015-07-21 - Samsung Notice of Deposition of Vincent Capone
	<u>DX-0040</u>				2015-06-03 - Samsung First Notice of Deposition of Imperium IP Holdings (Cayman), Ltd.
	<u>DX-0041</u>				2015-07-02 - Samsung Second Notice of Deposition of Imperium IP Holdings (Cayman), Ltd.
	<u>DX-0042</u>				2015-08-06 - Imperium Second Supplemental and Amended Objections and Responses to Samsung First Set of Interrogatories (Nos. 1-13)
	<u>DX-0043</u>				2015-08-06 - Imperium Objections and Responses to Samsung Second Set of Interrogatories (Nos. 14-20)
	<u>DX-0044</u>				2004-12-28 - Chung U.S. Patent No. 6,836,290 entitled "Combined Single-Ended and Differential Interface"
	<u>DX-0045</u>				2001-08-07 - Chung U.S. Patent No. 6,271,884 entitled "Image Flicker reduction With Fluorescent Lighting"
	<u>DX-0046</u>				2013-02-18 - Settlement and License Agreement between Apple and Imperium IP Holdings (Cayman), Ltd.; Imperium Holdings (Cayman), Ltd., The Levy Trust, Robert Blair and Martin Mallinson (IIPH_SAM00002771 - IIPH_SAM00002794)
	<u>DX-0047</u>				2013-06-10 - Settlement and License Agreement between Research In Motion and Imperium IP Holdings (Cayman), Ltd. (IIPH_SAM00363988 - IIPH_SAM00364014)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0048</u>				2013-04-30 - Settlement and License Agreement between Imperium IP Holdings (Cayman) Ltd. and Kyocera Communications, Inc. (IIPH_SAM00363666 - IIPH_SAM00363687)
	<u>DX-0049</u>				2013-05-26 - Settlement and License Agreement between Imperium IP Holdings (Cayman) Ltd. and LG Electronics, Inc. (IIPH_SAM00002795 - IIPH_SAM00002811)
	<u>DX-0050</u>				2013-03-22 - Settlement and License Agreement between Imperium IP Holdings (Cayman) Ltd. and Nokia Corporation (IIPH_SAM00363694 - IIPH_SAM00363711)
	<u>DX-0051</u>				2013-07-10 - Settlement and License Agreement between Imperium IP Holdings (Cayman) Ltd., Motorola Mobility LLC and Google, Inc. (IIPH_SAM00363643 - IIPH_SAM00363661)
	<u>DX-0052</u>				2013-05-09 - Settlement and License Agreement between Imperium IP Holdings (Cayman) Ltd., Sony Corporation and Sony Mobile Communications (formerly known as Sony Ericsson Mobile Communications) - Exhibit A to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed (IIPH_SAM00364017 - IIPH_SAM00364037)
	<u>DX-0053</u>				2015-03-09 - Settlement and License Agreement between Imperium IP Holdings (Cayman) Ltd., Samsung Techwin Co. Ltd. and Samsung Opto-Electronics America, Inc. (IIPH_SAM00363086 - IIPH_SAM00363097)
	<u>DX-0054</u>				2015-07-29 - Imperium Responses and Objections to Samsung Second Notice of Deposition of Imperium IP Holdings (Cayman), Ltd.
	<u>DX-0055</u>				2014-04-03 - Email Stuart Kaler to Joerg Ferchau and Vincent Capone re: Introduction of Capone to EDI (IIPH_SAM00374945 - IIPH_SAM00374945)
	<u>DX-0056</u>				2014-04-03 - Email Stuart Kaler to Vincent Capone and Alan Fisch re: Great Evening! (dinner) (IIPH_SAM00374944 - IIPH_SAM00374944)
	<u>DX-0057</u>				2014-04-09 - Email Stuart Kaler to Vincent Capone re: NYTimes.com: Drexel Works to Build Up Philadelphia (IIPH_SAM00374946 - IIPH_SAM00374948)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	DX-0058				2013-07-19 - Declaration of Vincent Capone in Robert Silverstein v. Imperium Partners (et al.), John Michaelson and WeizerMazars LLP. Filed in Supreme Court of the State of New York - County of New York -- Case Number 651375/2013
	DX-0059				Subpoena to Testify for Randall Chung
	DX-0060				LinkedIn profile for Randall Chung
	DX-0061				Document entitled "Where to Submit an Innovation Disclosure" by Kelly Hale and Jim Dawson - RSS Intellectual Property (IIPH_SAM00374022 - IIPH_SAM00374022)
	DX-0062				1998-04-17 - Gunawan U.S. Utility Patent Application S.N. 09/062343 entitled "CMOS Imaging Apparatus" (IIPH_SAM00003713 - IIPH_SAM00003849)
	DX-0063				1999-07-27 - Roe U.S. Patent 5,929,655 entitled "Dual-Purpose I/O Circuit In A Combined Link/PHY Integrated Circuit" (Adaptec)
	DX-0064				1999-04-20 - Document entitled "Conexant Systems- Device Electrical Specification Digital SXGA Imager IA (CN1280)" (IIPH_SAM00278222 - IIPH_SAM00278267)
	DX-0065				Conexant- CN0352 Digital CMOS Imager Datasheet (IIPH_SAM00374191 - IIPH_SAM00374209)
	DX-0066				Subpoena to Testify for Robert Medwick
	DX-0067				2015-03-12 - Imperium IP Holdings (Cayman), Ltd.'s Disclosures
	DX-0068				2006-08-15 - Medwick U.S. Patent No. 7,092,029 entitled "Strobe Lighting System for Digital Images" (SAM-371_00100636 - SAM-371_00100655)
	DX-0069				2001-08-07 - Chung U.S. Patent No. 6,271,884 entitled "Image Flicker reduction With Fluorescent Lighting" (SAM-371_00097296 - SAM-371_00097304)
	DX-0070				2004-12-28 - Chung U.S. Patent No. 6,836,290 entitled "Combined Single-Ended and Differential Interface" (SAM-371_00100116 - SAM-371_00100123)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	DX-0071				2001-03-22 - Medwick U.S. Patent File History for 7,092,029 Serial Number 09/816,038 entitled "Strobe Lighting System for Digital Images" (IIPH_SAM00002815 - IIPH_SAM00003185)
	DX-0072				Fax from Tassinari to Medwick regarding Strobe Lighting System for Digital Images (MEDWICK_SAM000001 - MEDWICK_SAM000007)
	DX-0073				2000-03-24 - Medwick U.S. Patent File History Application No. 60/192,008 entitled "Strobe for a Digital Camera" (SAM-371_00101027 - SAM-371_00101077)
	DX-0074				1999-11-16 - Sugahara U.S. Patent No. 5,987,261 entitled " Strobe Device" (SAM-371_00101181 - SAM-371_00101193)
	DX-0075				2001-02-27 - Sugimoto U.S. Patent No. 6,195,127 entitled "Digital Camera Having a Flash Unit, Which Determines Proper Flash Duration Through an Assessment of Image Luminance and Where Needed a Preliminary Flash Emission" (SAM-371_00101078 - SAM-371_00101099)
	DX-0076				2015-07-13 - Subpoena to Testify at a Deposition in a Civil Action - Joe Melfi
	DX-0077				LinkedIn profile for Joe Melfi
	DX-0078				2006-05-06 - Document entitled "Competitor Camera Main Feature Comparison - Digital Imaging SoC, CIS, & ISP for Camera Phone Applications" by (JNM) Joe Melfi (MELFI_SAM0003173 - MELFI_SAM0003175)
	DX-0079				2004-10-26 - Samsung Preliminary Datasheet for "S5K3AAEX 1/3.2" SXGA CMOS Image Sensor with an Embedded Image Signal Processor (Rev. 07)" (MELFI_SAM0004058 - MELFI_SAM0004135)
	DX-0080				2004-10-22 - Samsung Preliminary Datasheet for "S5K53BEA 1/5.8" VGA CMOS Image Sensor with an Embedded Image Signal Processor (Rev. 03)" (MELFI_SAM0004272 - MELFI_SAM0004344)
	DX-0081				2004-11-05 - Samsung Preliminary Datasheet for "S5K4AAFX 1/4" CMOS Image Sensor with an Embedded Image Signal Processor (Rev. 06)" (MELFI_SAM0004142 - MELFI_AM0004234)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0082</u>				2015-01-03 - Samsung Preliminary Datasheet for "S5K53BEB 1/5.8" VGA CMOS Image Sensor with an Embedded Image Signal Processor (Rev. 05)" (MELFI_SAM0004355 - MELFI_SAM0004410)
	<u>DX-0083</u>				2005-02-16 - Document entitled "F209: FW1.32 & API-021605 Flicker improvements & AWB-stability improvements Quick testing - Joe Melfi 2/16/05 (1280x1024 indoor/outdoor quick test) Firmware/API test - ESS 1.3MegaPixel Camera Phone Samsung camera project: SCH-A815, F209, M299" (IIPH_SAM00049233 - IIPH_SAM00049234)
	<u>DX-0084</u>				2005-02-15 - Document entitled "Korea Project Conference Call Notes - 02/15/2005" (IIPH_SAM00017203 - IIPH_SAM00017204)
	<u>DX-0085</u>				Document entitled "1. Flicker Detection" (MELFI_SAM0021731 - MELFI_SAM0021738)
	<u>DX-0086</u>				2005-02-07 - Document entitled "A815, F209, M299 Status & Action Items - Monday Feb 7, 2005" (MELFI_SAM0004617 - MELFI_SAM0004620)
	<u>DX-0087</u>				2007-02-07 - Document entitled "ESS Technology, Inc. ES2798 Datasheet Advance Information - 2.0 Mega-Pixel MaxView Camera Solution (Ver.:1.4_Release)" (MELFI_SAM0064881 - MELFI_SAM0064938)
	<u>DX-0088</u>				2007-01-29 - Document entitled "GPIO Support and Flash Control Considerations for CVIS-only Devices" by Jmelfi (MELFI_SAM0074030 - MELFI_SAM0074032)
	<u>DX-0089</u>				2004-07-12 - Document brochure entitled "ESS Technology, Inc. ES2120M Camera Module" (MELFI_SAM0023234 - MELFI_SAM0023262)
	<u>DX-0090</u>				2015-08-06 - Imperium Second Supplemental and Amended Objections and Responses to Samsung First Set of Interrogatories (Nos. 1-13)
	<u>DX-0091</u>				2004-10-24 - Document entitled "ESS Technology, Inc. VGA Camera Module ES2198M Datasheet" (DRAFT COPY - NOT RELEASED) (MELFI_SAM0020554 - MELFI_SAM0020591)
	<u>DX-0092</u>				2003 - Document entitled "ESS Technology, Inc. PT11650 Advanced Image Signal Processor Datasheet" (MELFI_SAM0020779 - MELFI_SAM0020857)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0093</u>				2006-12-18 - Document entitled "Status report - Firmware group - December 18, 2006" (IIPH_SAM00018543 - IIPH_SAM00018544)
	<u>DX-0094</u>				2006-03-26 - Document entitled "ESS Technology, Inc. ES2428 Product Brief - VGA SoC Camera Solution (Ver.: 1.0_Release)" (MELFI_SAM0056279 - MELFI_SAM0056280)
	<u>DX-0095</u>				2004-11-08 - Document entitled "Camera Phone Customer Module Inventory Updated 11/08/2004" (MELFI_SAM0000704 - MELFI_SAM0000704)
	<u>DX-0096</u>				2006-05-04 - Document entitled "Camera Interfaces Updated May 4, 2006" by Joe Melfi (MELFI_SAM0027882 - MELFI_SAM0027887)
	<u>DX-0097</u>				2006-11-06 -Document entitled "Differences Highlighted: ES2798, ES7888, ES2787 - Updated 11/06/2006" (MELFI_SAM0075747 - MELFI_SAM0075750)
	<u>DX-0098</u>				2006-04-00 - Document entitled "ES2888 Block Diagrams For use in various documentation" by Joe Melfi 4/2006 (MELFI_SAM0073492 - MELFI_SAM0073500)
	<u>DX-0099</u>				2005-11-05 - Document entitled "ESS Technology, Inc. ES2820 Datasheet Advance Information 3.2 Mega-Pixel SoC MaxView Camera Solution" Unreleased Draft (MELFI_SAM0070929 - MELFI_SAM0070985)
	<u>DX-0100</u>				2012-11-20 - Deposition testimony of John Michaelson in Imperium v. Apple et al. case (Vol. 1) (IIPH_SAM00372185 - IIPH_SAM00372265)
	<u>DX-0101</u>				2012-11-21 - Deposition testimony of John Michaelson in Imperium v. Apple et al. case (Vol. 2) (IIPH_SAM00372266 - IIPH_SAM00372326)
	<u>DX-0102</u>				2014-06-09 - Complaint For Patent Infringement Imperium IP Holdings (Cayman), Ltd v. Samsung Electronic Co., LTD., et al.
	<u>DX-0103</u>				2010-04-09 - Email John Michaelson to Maurice Hyryshko, Jeffrey Devers, James McKay, William Steward, Renee Ditrich, Lee Daisley, Kevin Greene and Mark Weiss Re: IP Holdings and ESS update (IIPH_SAM00377573 - IIPH_SAM00377574)
	<u>DX-0104</u>				2010-04-20 - Email John Michaelson to Jeffrey Devers Re: FW: IP Holdings and Kay Scholer deal (IIPH_SAM00377532 - IIPH_SAM00377532)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0105</u>				2011-02-18 - ESS Technology, Inc. Minutes of the Meeting of the Board of Directors February 18, 2011 (IIPH_SAM00085684 - IIPH_SAM00085686)
	<u>DX-0106</u>				2008-02-19 - Document entitled "Project Echo - Presentation to the Special Committee" Needham Valuation (IIPH_SAM00366095 - IIPH_SAM00366132)
	<u>DX-0107</u>				2007-12-31 - Document entitled "Liquidation Analysis - Probable Proceeds" by Sutter Securities (IIPH_SAM00366133 - IIPH_SAM00366134)
	<u>DX-0108</u>				2007-12-31 - Document entitled " Discounted Cash Flow Valuation" by Sutter Securities (IIPH_SAM00366135 - IIPH_SAM00366136)
	<u>DX-0109</u>				Subpoena to Testify at a Deposition in a Civil Action - Alicia Moore
	<u>DX-0110</u>				Consulting Services Retention Agreement between Imperium Partners Group LLC, , ESS Technology, Inc. and ESS Holding Company and Alicia Jayne Moore (IIPH_SAM00372327 - IIPH_SAM00372333)
	<u>DX-0111</u>				Consulting Agreement between Imperium Partners Group, ESS Technology, Inc. ESS Holding Company and Alicia Jayne Moore (IIPH_SAM00372391 - IIPH_SAM00372393)
	<u>DX-0112</u>				2001-08-07 - Chung U.S. Patent No. 6,271,884 entitled "Image Flicker reduction With Fluorescent Lighting"
	<u>DX-0113</u>				2004-12-28 - Chung U.S. Patent No. 6,836,290 entitled "Combined Single-Ended and Differential Interface"
	<u>DX-0114</u>				2015-03-12 Privilege Log of Imperium IP Holdings (Cayman), Ltd.
	<u>DX-0115</u>				2015-04-02 Supplemental Privilege Log of Imperium IP Holdings (Cayman), Ltd.
	<u>DX-0116</u>				LinkedIn profile for Alicia Moore
	<u>DX-0117</u>				2010-04-06 - Imperium IP Holdings (Cayman), Ltd - Minutes of the Meeting of the Board of Directors April 6, 2010 - Via Telephone Conference (IIPH_SAM00085663 - IIPH_SAM00085664)
	<u>DX-0118</u>				2009-05-11 - Email chain from Daeyang Oh (LG) to Alicia Moore re Information to Address Board concerns (IIPH_SAM00372342 - IIPH_00372344)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0119</u>				2008-11-21 -Minutes of the ESS Technology Board of Directors Meeting - IP Licensing Update (IIPH_SAM00372389 - IIPH_SAM00372390)
	<u>DX-0120</u>				2009-01-29 Email Phil Stern (Yet2.com) to Alicia Moore re Bid for ESS patent portfolio with attached documents entitled ESS Offer Letter 2009 01 29.doc; Proposed PPA ESS Technology.doc (IIPH_SAM00372352 - IIPH_SAM00372375)
	<u>DX-0121</u>				2009-04-06 - Email Alicia Moore to Ryanc@intven.com; jim@erasmusibd.com and me@jimbirch.com Re; IIPH, Ltd./ESS Technologies, LLP -- preliminary materials with attached document entitled IIPH, Ltd. preliminary market assessment--4-09ajmrev.ppt (IIPH_SAM00372378 - IIPH_SAM00372388)
	<u>DX-0122</u>				2007-04-27 - Email Jim Boyd to Greg.Franceschi@duffandphelps.com; Steven Brown and Wendy Chafer Re: FW: Valuation with attached patent spreadsheets (IIPH_SAM00372394 - IIPH_SAM00372408)
	<u>DX-0123</u>				2009-01-29 - Email from Bob Blair to Alicia Moore Re: FW: Follow up question on Chronicle's progress. Forwarding email from John Cheng (Chronicle) to Steven Brown and Bob Blair (IIPH_SAM00372414 - IIPH_SAM00372417)
	<u>DX-0124</u>				2009-01-22 - Email Chain Steven Adam to Alicia Moore Re: ESS with attachment entitled Pachira ESS Patent Licensing Program dated August 2008 (IIPH_SAM00372444 - IIPH_SAM00372483)
	<u>DX-0125</u>				Confidential Settlement Agreement and Mutual Release between Imperium Partners Group, LLC, ESS Technology, Inc. ESS Holding Company and Alicia Jayne Moore (IIPH_SAM00372411 - IIPH_SAM00372413)
	<u>DX-0126</u>				2010-02-17 - Email from Steven Adam (Pachira) to Alicia Moore Re: Final Proposal with attached document entitled "Pachira ESS Program Dec 11 2009" (IIPH_SAM00372484 - IIPH_SAM00372494)
	<u>DX-0127</u>				2009-03-04 - Email from Steven Adam (Pachira) to Alicia Moore Re: Thanks (IIPH_SAM00360077 - IIPH_SAM00360078)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	DX-0128				2009-04-26 - Email chain from Ragnar Olson (Global IP Law Group) to Alicia Moore Re: Business Plan for IIPH-1.docx: IIPH - Pro Forma.xlsx with attached document entitled "Patent Monetization Business Plan for IIPH, Ltd." (IIPH_SAM00360100 - IIPH_SAM00360105)
	DX-0129				2009-04-17 - Email Ryan Clark (Intellectual Ventures) to Alicia Moore and Jim Birch Re: IIPH, Ltd./ESS Technologies LLP - Patent Portfolio with attached document entitled "Sample Patent Agreement" (IIPH_SAM00360163 - IIPH_SAM00360181)
	DX-0130				2009-05-08 - Email chain Daeyang Oh (LGE) to Alicia Moore and Bob Blair Re: Information to Address Board Concerns with attached document entitled "CIS Business Plan "Summary of Expected Royalty for 2010-2014" (IIPH_SAM00360221 - IIPH_SAM00360224)
	DX-0131				2009-04-14 - Email Michael Anglin (Ocean Tomo) to Alicia Moore and Dean Becker (Ocean Tomo) Re: Today's Call with attached document entitled "ESS Tech Analysis.xlsx." (IIPH_SAM00360273 - IIPH_SAM00360275)
	DX-0132				2009-09-14 Email Moore to Blair Re: ESS Concept and enclosing Proposal from David Shoneman (Thompson Licensing LLC) (IIPH_SAM00363598 - IIPH_SAM00363600)
	DX-0133				2009-05-22 - Email Re: ESS/IIPH, Ltd. Patent Portfolio Proposal forwarding email from Daniel Carlineo (Techpats) representing LGE (IIPH_SAM00363610 - IIPH_SAM00363612)
	DX-0134				2009-04-17 - Email Alicia Moore to Daniel Carlineo (Techpats) representing LGE Re: ESS/IIPH, ltd. Patent Portfolio Proposal (IIPH_SAM00360070 - IIPH_SAM00360072)
	DX-0135				2009-02-04 - Email Alicia Moore to Bob Blair forwarding email from Daeyang Oh (LGE) Re: ESS Patents (IIPH_SAM00363601 - IIPH_SAM00363602)
	DX-0136				2009-03-18 - Email Alicia Moore to Peter Snow (Iceberg Transactions Ltd.) Re: ESS Technology Patent Portfolio with attached document entitled "Issued Patents List" (IIPH_SAM00363920 - IIPH_SAM00363925)
	DX-0137				2015-06-03 - Subpoena to Testify for Joshua Pine

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	DX-0138				2015-07-15 - Letter Bill Sigler to Joshua Pine regarding consulting services (PINE_SAM000001 - PINE_SAM000002)
	DX-0139				2015-03-12 - Imperium IP Holdings (Cayman), Ltd.'s Disclosures
	DX-0140				2015-07-13 - LinkedIn profile for Josh Pine
	DX-0141				2001-08-07 - Chung U.S. Patent No. 6,271,884 entitled "Image Flicker reduction With Fluorescent Lighting"
	DX-0142				2006-08-15 - Medwick U.S. Patent No. 7,092,029 entitled "Strobe Lighting System for Digital Images"
	DX-0143				2004-12-28 - Chung U.S. Patent No. 6,836,290 entitled "Combined Single-Ended and Differential Interface"
	DX-0144				1999-02-11 - Document entitled "Pixel Processor & Control (PPC) Device Specification V0.9" by Joshua Pine (IIPH_SAM00000555 - IIPH_SAM00000655)
	DX-0145				1999-03-25 - Document entitled "Conexant "What's next in communications technologies - Personal Imaging Division USB Phoenix Evaluation Gate Review" (IIPH_SAM00001933 - IIPH_SAM00001982)
	DX-0146				1999-01-29 - Conexant Datasheet CN1024 Digital CMOS Imager (IIPH_SAM00002741 - IIPH_SAM00002752)
	DX-0147				1998-06-30 - Conexant Datasheet CN0352p Pixel Processor and Control Chip (IIPH_SAM00086833 - IIPH_SAM00086845)
	DX-0148				1996-10-09 - Chung Innovation Disclosure form entitled "Image Flicker reduction with 50Hz Fluorescent lighting" (IIPH_SAM00002812 - IIPH_SAM00002814)
	DX-0149				2015-06-17 - Email Chung to Pine regarding Subpoena to Testify (PINE_SAM000003 - PINE_SAM000004)
	DX-0150				2001-03-21 - Document entitled "Inventor Index" for Joshua I. Pine (PINE_SAM000006 - PINE_SAM000008)
	DX-0151				Photograph (prototype device)
	DX-0152				Photograph (prototype device)
	DX-0153				1992- Thesis project entitled "Experiments in the digitization and decomposition of the NTSC composite video signal" by Joshua Pine
	DX-0154				2015-09-18 - Supplemental Expert Report On Damages by Michele Riley

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	DX-0155				2015-09-09 - Expert Report On Damages by Michele Riley
	DX-0156				2001-08-07 - Chung U.S. Patent No. 6,271,884 entitled "Image Flicker reduction With Fluorescent Lighting"
	DX-0157				2004-12-28 - Chung U.S. Patent No. 6,836,290 entitled "Combined Single-Ended and Differential Interface"
	DX-0158				2015-09-09 - Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung
	DX-0159				2015-08-26 - Deposition testimony of Joseph Melfi
	DX-0160				2007-04-27 - Email Jim Boyd to Greg.franceschi@duffandphelps.com; Steven Brown and Wendy Chafer Re: FW: Valuation with attached patent spreadsheets (IIPH_SAM00086278 - IIPH_SAM00086292)
	DX-0161				2008-07-11 - Patent Assignment Agreement between IP Holdings (Cayman, Ltd) and ESS Technology, Inc. (IIPH_SAM00085446 - IIPH_SAM00085468)
	DX-0162				2015-03-19 - Settlement and License Agreement between Imperium IP Holdings (Cayman) Ltd., Samsung Techwin Co. Ltd. and Samsung Opto-Electronics America, Inc. (IIPH_SAM00363086 - IIPH_SAM00363097)
	DX-0163				2015-02-02 - Email chain from William H. Mandir to Alan Fisch re: Imperium v. Samsung Techwin - Rule 408 Communication (IIPH_SAM00375013 - IIPH_SAM00375015)
	DX-0164				2009-00-00 - Document entitled "Camera Phone Market Trend" (IIPH_SAM00360234 - IIPH_SAM00360236)
	DX-0165				2012-07-12 - Email chain from Stuart Kaler to Jun H. Bang re: call from Alan Fisch and Imperium (SAM-371_00445117 - SAM-371_00445121)
	DX-0166				2011-09-05 - Email chain from Jongsoo Lee to Stuart Kaler Re: Call from Alan Fisch and Imperium (SAM-371_00465181 - SAM-371_00465183)
	DX-0167				2012-11-15 - Dynamic Vision Sensor Technology License Agreement between the University of Zurich and Samsung Electronics Co. Ltd. (SAM-371_00439070 - SAM-371_00439085)

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	<u>DX-0168</u>				2013-05-09 -Settlement and License Agreement between Imperium IP Holdings (Cayman) Ltd., Sony Corporation and Sony Mobile Communications (formerly known as Sony Ericsson Mobile Communications) (IIPH_SAM00364017 - IIPH_SAM00364037)
	<u>DX-0169</u>				07-00-2012 - InfoTrends Report entitled " Primary Research Consumer & Professional Imaging - Spotlight on Smartphones - Special Data Analysis of InfoTrends' 2012 Mobile Imaging Survey" (SAM-371_00449649 - SAM-371_00449691)
	<u>DX-0170</u>				01-00-2014 - InfoTrends Report entitled " Primary Research Consumer & Professional Imaging - Spotlight on Smartphones - Special Data Analysis of InfoTrends' 2013 Mobile Imaging Survey" (SAM-371_00450472 - SAM-371_00450518)
	<u>DX-0171</u>				2015-08-20 - Deposition testimony of Jose A. Hernandez
	<u>DX-0172</u>				2015-08-07 - Deposition testimony of Randall M. Chung
	<u>DX-0173</u>				2015-09-28 - Confidential Expert Report of M. Raymond Perryman, PHD
	<u>DX-0174</u>				2001-08-07 - Chung U.S. Patent No. 6,271,884 entitled "Image Flicker reduction With Fluorescent Lighting"
	<u>DX-0175</u>				Subpoena to Testify for Glenn Stark
	<u>DX-0176</u>				2002-07-01 - Document entitled "Engineering Status Report" (IIPH_SAM00300028 - IIPH_SAM00300029)
	<u>DX-0177</u>				2014-00-00 - Document entitled "IDE, Inc. - Our Core Team", Glenn Stark
	<u>DX-0178</u>				Assignment for Medwick U.S. Patent 7,092,029
	<u>DX-0179</u>				Subpoena to Testify for Dino Trotta
	<u>DX-0180</u>				2015-03-12 - Imperium IP Holdings (Cayman), Ltd.'s Disclosures
	<u>DX-0181</u>				LinkedIn profile for Dino Trotta
	<u>DX-0182</u>				1998-04-17 - Gunawan U.S. Utility Patent Application S.N. 09/062343 entitled "CMOS Imaging Apparatus" (SAM-371_00100426 - SAM-371_00100548)
	<u>DX-0183</u>				1999-04-29 - Chung U.S. Patent File History for 6,836,290 entitled "Combined single-ended and differential signaling interface" (SAM-371_00100124 - SAM-371_00100425)

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	<u>DX-0184</u>				1999-07-27 - Roe U.S. Patent 5,929,655 entitled "Dual-Purpose I/O Circuit In A Combined Link/PHY Integrated Circuit" (Adaptec) (SAM-371_00100549 - SAM-371_00100561)
	<u>DX-0185</u>				1999-01-05 - Document entitled "Conexant CN1024 Digital CMOS Imager Datasheet" (IIPH_SAM00002753 - IIPH_SAM00002763)
	<u>DX-0186</u>				2015-07-22 - Letter Bill Sigler to Dino Trotta regarding consulting services (TROTTA_SAM000001 - TROTTA_SAM000002)
	<u>DX-0187</u>				2015-09-08 - Cameron H.G. Wright Curriculum Vitae
	<u>DX-0188</u>				2015-05-04 - Imperium's Opening Claim Construction Brief
	<u>DX-0189</u>				1992 - Excerpt from The New IEEE Standard Dictionary of Electrical and Electronics Terms Fifth Edition re: image processing (page 618) (SAM-371_00069405 - SAM-371_00069411)
	<u>DX-0190</u>				2008 - Excerpt from book "On-Chip Communication Architectures - System On Chip Interconnect by Sudeep Pasricha and Nikil Dutt - Chapter 2 page 18 Section 2.1 Terminology re: interface
	<u>DX-0191</u>				2015-09-28 - Expert Report of Cameron H.G. Wright Concerning Invalidity
	<u>DX-0192</u>				2004-12-28 - Chung U.S. Patent No. 6,836,290 entitled "Combined Single-Ended and Differential Interface"
	<u>DX-0193</u>				2015-09-09 - Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung (Annotated with Numbered Paragraphs)
	<u>DX-0194</u>				2015-07-28 - Deposition testimony of Dino D. Trotta
	<u>DX-0195</u>				2015-09-24 - First Supplemental Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung
	<u>DX-0196</u>				2015-10-13 - Second Supplemental Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung
	<u>DX-0197</u>				1999-07-27 - Roe U.S. Patent 5,929,655 entitled "Dual-Purpose I/O Circuit In A Combined Link/PHY Integrated Circuit" (Adaptec)
	<u>DX-0198</u>				1997-01-10 - Japanese Patent Application Pub. No. H9-6592 entitled "Semiconductor Integrated Circuit" (Seki -Toshiba) with certified translation (SAM-371_00097888 - SAM-371_00097944)

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	DX-0199				2015-09-09 - Chart attached to Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung entitled " Exhibit 3.11a Infringement of U.S. Patent No. 6,836,290 By Samsung Galaxy S2"
	DX-0200				2015-07-20 - Attachment A to Samsung's July 20, 2015 Supplemental Responses and Objections to Imperium's First Set of Interrogatories (Numbers 1-11)
	DX-0201				2015-09-09 - Chart attached to Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung entitled " Exhibit 5.4a Infringement of U.S. Patent No. 6,836,290 By Samsung Galaxy Note 2"
	DX-0202				1999-04-30 - Japanese Patent Application Pub. No. H11-119288 entitled "Strobe Device" (Shimada - Olympus) with certified translation (SAM-371_00101100 - SAM-371_00101127)
	DX-0203				2001-02-27 - Sugimoto U.S. Patent 6,195,127 entitled "Digital Camera, Having A Flash Unit, Which Determines Proper Flash Duration Through an Assessment of Image Luminance And, Where Needed, a Preliminary Flash Emission" (Sanyo) (SAM-371_00065577 - SAM-371_0065598)
	DX-0204				2008-08-21 - Samsung document entitled " Flash" (SAM-371_00163106 - SAM-371_00163123)
	DX-0205				2012-04-05 - CNET article entitled "How much is that patent lawsuit going to cost you" by Jim Kerstetter
	DX-0206				2011-01-00 - Letter Steve Auvil (American Intellectual Property Law Association -AIPLA) to AIPLA Member Re: Economic Survey
	DX-0207				2014-03-12 - Samsung document entitled "Technical Report 1.2 Anti-Flicker Solution Test" (native) (SAM-371_00141811 - SAM-371_00141811)
	DX-0208				2012-04-17 - Samsung document entitled "Technical Report 1.2 Anti-Flicker Solution Test" (native) (SAM-371_00148042 - SAM-371-00148042)
	DX-0209				2010-09-08 - Samsung document entitled " ISP_PREP_TOP_TEST LIST" (native) (SAM-371_00193840 - SAM_371_00193840)

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	<u>DX-0210</u>				2014-07-29 - Samsung document entitled "Technical Report 1.2 Anti-Flicker Solution Test" (native) (SAM-371_00141671 - SAM_371_00141671)
	<u>DX-0211</u>				2011-10-21 - Samsung Excel spreadsheet entitled "Project Name: ISP01" (native) (SAM-371_00195611 - SAM-371_00195611)
	<u>DX-0212</u>				2015-10-23 - Graph illustrating how a particular camera works
	<u>DX-0213</u>				2015-09-09 - Chart attached to Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung entitled " Exhibit 4.2a Infringement of U.S. Patent No. 6,271,884 By Samsung Galaxy Conquer 4G"
	<u>DX-0214</u>				2003-05-20 - Hashimoto U.S. Patent 6,567,123 entitled "Electronic Camera" (Olympus) (SAM-371_00097773 - SAM-371_00097796)
	<u>DX-0215</u>				2012-02-00 - Article entitled "Motion Detection: A Biomimetic Vision Sensor Versus CCD Camera Sensor" by Roopa S. Prabhakara, Cameron H.G. Wright and Steven F. Barrett - (IEEE Sensors Journal, Vol. 12, No. 2; pp. 298-307)
	<u>DX-0216</u>				2015-09-09 - Chart attached to Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung entitled " Exhibit 4.25a Infringement of U.S. Patent No. 6,271,884 By Samsung ATIV Book 9"
	<u>DX-0217</u>				1999-10-12 - Inuiya U.S. Patent 5,966,173 entitled "Video Camera, Printer Apparatus and Method of Controlling Same, and Apparatus and Method for Detecting Print Inhibit Signal" (Fuji) (SAM-371_00096402 - SAM-371_00096441)
	<u>DX-0218</u>				2015-09-09 - Chart attached to Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung entitled " Exhibit 4.11b Infringement of U.S. Patent No. 6,271,884 By Samsung Galaxy SII EPIC 4G Touch"
	<u>DX-0219</u>				2002-07-01 - Intellectual Property Agreement by and between Conexant Systems, Inc. and Pictos Technologies, Inc. (IIPH_SAM00015116 - IIPH_SAM00015154)
	<u>DX-0220</u>				2007-10-10 - Technology Agreement between ESS Technology, Inc., Pictos Technologies, Inc., Divio, Inc. and Chronicle Imaging, Inc. (IIPH_SAM00016758 - IIPH_SAM00016783)

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	<u>DX-0221</u>				2003-12-27 - License Agreement between Pictos Technologies, Inc. and ESS Technology International (IIPH_SAM00084422 - IIPH_SAM00084431)
	<u>DX-0222</u>				1997-06-05 - Article entitled "AN ELECTRONIC VARIABLE-SHUTTER SYSTEM IN VIDEO CAMERA USE" by Kinugasa (Hitachi) (IIPH_SAM00096033 - IIPH_SAM00097946)
	<u>DX-0223</u>				Exhibit Number Not Used
	<u>DX-0224</u>				2009-01-29 Email Phil Stern (Yet2.com) to Alicia Moore re Bid for ESS patent portfolio with attached documents entitled ESS Offer Letter 2009 01 29.doc; Proposed PPA ESS Technology.doc (IIPH_SAM00359765 - IIPH_SAM00359765)
	<u>DX-0225</u>				2009-02-26 - Intellectual Ventures document entitled "The Development of the Global Patent Market - LES Winter Meeting " by Don Merino (IIPH_SAM00359796 - IIPH_SAM00359813)
	<u>DX-0226</u>				08-00-2008 - Pachira document entitled "ESS Technologies Patent Licensing Program Steven Adam/ Chuck Donohoe August 2008" (IIPH_SAM00359821 - IIPH_SAM00359857)
	<u>DX-0227</u>				2010-02-17 - Email Steven Adams (Pachira IP, Inc.) to Alicia Moore re: Final Proposal (IIPH_SAM00359858 - IIPH_SAM00359859)
	<u>DX-0228</u>				2009-10-20 - Email from David Shoneman (Thomson Licensing LLC) re: Tried to reach you regarding the attached revised proposal (IIPH_SAM00359921 - IIPH_SAM00359921)
	<u>DX-0229</u>				2009-04-07 - Email Alicia Moore to Oh (LGE) re: ESS/IIPH, Ltd. Patent Portfolio Proposal (IIPH_SAM00359977 - IIPH_SAM00359979)
	<u>DX-0230</u>				2009-07-08 - Email Alicia Moore to Daniel Carlineo (TechPats) Park (Wiav Solutions) and Bob Blair re: IIPHL Patent Portfolio (IIPH_SAM00360097 - IIPH_SAM00360099)
	<u>DX-0231</u>				2009-09-16 - Email Alicia Moore to David Shoneman (Thomson Licensing LLC) re: Shoneman Concept Analysis 9-14-09 (IIPH_SAM00360278 - IIPH_SAM00360278)

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	DX-0232				2009-10-10 - Email Alicia Moore to Bob Blair re: Update on Thomson discussions: request; Shoneman Concept 2--per unit price (IIPH_SAM00360295 - IIPH_SAM00360296)
	DX-0233				2005-09-09 - Joe Melfi's MIPI Membership Info (MELFI_SAM0034428 - MELFI_SAM0034430)
	DX-0234				2015-09-09 - Opening Expert Report of R. Jacob Baker PH.D, P.E. (Invalidity)
	DX-0235				Curriculum Vitae (Appendix A to Baker Expert Report on Invalidity)
	DX-0236				Appendix B1 290 Invalidity Chart for Expert Report - JP09-006592 (Toshiba)
	DX-0237				Appendix B2 290 Invalidity Chart for Expert Report - US5929655 (Roe)
	DX-0238				Appendix B3 290 Invalidity Chart for Expert Report - Motorola
	DX-0239				Appendix B4 290 Invalidity Chart for Expert Report - US6452632 (Umeda) and JP09-006592 (Toshiba)
	DX-0240				Appendix B5 290 Invalidity Chart for Expert Report - US6452632 (Umeda) and US5929655 (Roe)
	DX-0241				Appendix B6 290 Invalidity Chart for Expert Report - US6452632 (Umeda) and Motorola
	DX-0242				Appendix B7 290 Invalidity Chart for Expert Report - US6115482 (Sears) and JP09-006592 (Toshiba)
	DX-0243				Appendix B8 290 Invalidity Chart for Expert Report - US6115482 (Sears) and US5929655 (Roe)
	DX-0244				Appendix B9 290 Invalidity Chart for Expert Report - US6115482 (Sears) and Motorola
	DX-0245				Materials Considered List (Appendix C to Baker Expert Report on Invalidity)
	DX-0246				Exhibit Number Not Used
	DX-0247				Exhibit Number Not Used
	DX-0248				Samsung document entitled " D-PHY" IDC Systems LSI Business (SAM-371_00000125 - SAM-371_00000125)
	DX-0249				2012-01-05 - MIPI Alliance Specification for D-PHY (Version 1.1 - 7 November 2011) (SAM-371_00000189 - SAM-371_00000309)

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	DX-0250				Exhibit Number Not Used
	DX-0251				2010-12-03 - Samsung 4ECGX EVT1.1 S/W Release Note Version 0.3 (SAM-371_00000680 - SAM-371_00000792)
	DX-0252				2013-06-10 - Samsung Data Sheet S5K3H5YXA (EVT1.2) 1/3.2" 8M CMOS Image Sensor (Revision 0.26) (SAM-371_00002877 - SAM-371_00002970)
	DX-0253				2014-01-27 - Samsung Data Sheet S5K4ECGX 1/4" 5Mp CMOS Image Sensor SoC with an Embedded Image Signal Processor (Revision 0.15) (SAM-371_00003067 - SAM-371_00003215)
	DX-0254				2011-03-07 - Samsung Technical Data Sheet S5K5BAFX 1/5" 2Mp CMOS Image Sensor SoC with an Embedded Image Processor (EVT2, R10) (SAM-371_00003216 - SAM-371_00003290)
	DX-0255				2011-01-11 - Samsung Data Sheet S5K5BBGX EVT1 1/5" 2Mp CMOS Image Sensor SOC (Revision 0.35) (SAM-371_00003291 - SAM-371_00003404)
	DX-0256				2013-01-25 - Samsung Data Sheet S5K6A3YX 1/6" 1.9M CMOS Image Sensor (Revision 1.02) (SAM-371_00003630 - SAM-371_00003694)
	DX-0257				2011-05-11 - Samsung Data Sheet S5K6AAFX 1/6" 1.3Mp CMOS Image Sensor SoC with an Embedded Image Sensor (Revision 1.02) (SAM-371_00003695 - SAM-371_00003772)
	DX-0258				2013-06-03 - Samsung Data Sheet S5K6B2YX 1/6" 2M CMOS Image Sensor (Revision 1.00) (SAM-371_00003773 - SAM-371_00003843)
	DX-0259				2014-07-22 - Samsung Data Sheet S5K6D1YX (VS) 1/5.4" 3.7M CMOS Image Sensor (Revision 1.00) (SAM-371_00003844 - SAM-371_00003914)
	DX-0260				2014-02-25 - Samsung Data Sheet S5K8B1YX (VS) 1/7.3" 2M CMOS Image Sensor (Revision 1.10) (SAM-371_00004286 - SAM-371_00004356)
	DX-0261				2007-07-31 - Samsung Data Sheet S5K4AAFA 1/4" SXGA CMOS Image Sensor with an Embedded Image Signal Processor (Revision 1.00) (SAM-371_00004558 - SAM-371_00004646)

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0262</u>				2008-08-12 - Samsung Data Sheet S5KA3DFX 1/10" VGA CMOS Image Sensor with Embedded Image Signal Processor EVT4 Preliminary Data Sheet (Rev. 07) (SAM-371_00004819 - SAM-371_00004888)
	<u>DX-0263</u>				2011-11-18 - Samsung Data Sheet S5C73M3 (CML0801) 8Mp Image Processor (Revision 0.91) (SAM-371_00004889 - SAM-371_00005173)
	<u>DX-0264</u>				2014-02-05 - Samsung Data Sheet S5K2P2XX 1/2.6" 16M CMOS Image Sensor Supporting WDR, PD-AF & 60 fps FHD (Revision 2.01) (SAM-371_00005453 - SAM-371_00005524)
	<u>DX-0265</u>				2012-06-26 - Samsung Data Sheet S5K3H2YX 1/3.2" CMOS Image Sensor (Revision 0.11) (SAM-371_00005525 - SAM-371_00005525)
	<u>DX-0266</u>				Exhibit Number Not Used
	<u>DX-0267</u>				Exhibit Number Not Used
	<u>DX-0268</u>				Exhibit Number Not Used
	<u>DX-0269</u>				2011-03-17 - Samsung document entitled "FLASH aE" (SAM-371_00005756 - SAM-371_00005768)
	<u>DX-0270</u>				Fujitsu document entitled "<One Shot AE> (Host Flash) (SAM-371_00005790 - SAM-371_00005794)
	<u>DX-0271</u>				Exhibit Number Not Used
	<u>DX-0272</u>				2011-01-28 - Samsung Data Sheet S5K5CCG (EVT1) 1/5" 3Mp CMOS Image Sensor SOC (Revision 1.05) (SAM-371_00006007 - SAM-371_00006131)
	<u>DX-0273</u>				2015-05-06 - Samsung Data Sheet S5K4AAFA 1/4" SXGA CMOS Image Sensor with an Embedded Image Signal Processor (Revision 1.00) (SAM-371_00006574 - SAM-371_00006662)
	<u>DX-0274</u>				2012-11-13 - Samsung Data Sheet S5K2P1YX63 1/2. 33" 16M CMOS Image Sensor for Serial (Sub Lvds/Mipi) Interface (Revision 3.08) (SAM-371_00006805 - SAM-371_00006950)
	<u>DX-0275</u>				2014-12-22 - Samsung document entitled "Flash Algorithm" (SAM-371_00006951 - SAM-371_00006983)

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	DX-0276				2010-02-03 - Samsung document entitled "Flicker Detection Algorithm Ver 1.1 SS-1 DSC Team" (SAM-371_00006994 - SAM-371_00007003)
	DX-0277				Samsung document entitled "Flicker" (SAM-371_00007004 - SAM-371_00007034)
	DX-0278				Samsung document entitled "50hz 1/100 60hz 1/120 " (SAM-371_00007097 - SAM-371_00007099)
	DX-0279				2012-03-05 - Samsung document entitled "Manual ISO/Flicker Report" (SAM-371_00007146 - SAM-371_00007150)
	DX-0280				2012-06-15 - Samsung document entitled "Flicker Description" (SAM-371_00007153 - SAM-371_00007162)
	DX-0281				Samsung Document entitled " 8. Level 3 Repair 8-1. Block Diagram SM-G850A" (SAM-371_00008031 - SAM-371_00008171)
	DX-0282				Samsung document entitled "2. Specification 2.1 GSM General Specification" (SAM-371_00008627 - SAM-371_00008636)
	DX-0283				Samsung Document entitled " 8. Level 3 Repair 8-1. Block Diagram" GT-i9100 (SAM-371_00009513 - SAM-371_00009606)
	DX-0284				Samsung Document entitled " 8. Level 3 Repair 8-1. Block Diagram" MSM8230 (Qualcomm) (SAM-371_00009634 - SAM-371_00009634)
	DX-0285				Samsung Document entitled " 8. Level 3 Repair 8-1. Block Diagram" (SAM-371_00009821 - SAM-371_00009917)
	DX-0286				Samsung Document entitled " 8. Level 3 Repair 8-1. Block Diagram" EK-GC100 (SAM-371_00010447 - SAM-371_00010459)
	DX-0287				2013 - Samsung Service Manual for NX2000 Digital Camera (SAM-371_00013415 - SAM-371_00013503)
	DX-0288				Samsung document entitled "I - SPECIFICATION 1. Camera Specification Image Sensor - Type: 1/2.5" CCD" (SAM-371_00020116 - SAM-371_00020126)
	DX-0289				2013 - Samsung Service Manual for NX2000 Digital Camera (SAM-371_00027867 - SAM-371_00028069)
	DX-0290				2012-12-00 - Samsung User Manual for GT-N7100 (Rev. 1.0) (SAM-371_00044608 - SAM-371_00044743)

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	DX-0291				Samsung User Manual for NX2000 Camera (SAM-371_00052965 - SAM-371_00053167)
	DX-0292				Samsung User Manual for S860/S760 Camera (SAM-371_00054754 - SAM-371_00054847)
	DX-0293				1999 - Canon Flash Work brochure for Ex Series cameras (SAM-371_00063139 - SAM-371_00063190)
	DX-0294				1995 - Canon Service Manual Speedlite 380EX C50-0721 (SAM-371_00063191 - SAM-371-00063284)
	DX-0295				1998 - Canon Speedlite 550EX Instruction Booklet (SAM-371_00064148 - SAM-371-00064275)
	DX-0296				1995 - Canon Speedlite 380EX Instruction Booklet (SAM-371_00064276 - SAM-371-00064300)
	DX-0297				1998 - Canon EOS-3 Technical Overview (SAM-371_00064449 - SAM-371_00064494)
	DX-0298				1999 - Minolta Dynax 9/Maxxum 9 Instruction Manual (SAM-371_00102003 - SAM-371_00102061)
	DX-0299				Nikon Manual "Getting to Know the D1: parts of the D1" camera (SAM-371_00064869 - SAM-371_00065012)
	DX-0300				Nikon Autofocus Speedlight SB-25 Instruction Manual (SAM-371_00065042 - SAM-371-00065114)
	DX-0301				Nikon N90 AF Instruction Manual (SAM-371_00102072 - SAM-371_00102219)
	DX-0302				1992-10-00 - Article entitled "Nikon Takes A Giant Step Forward With New N90 AF SLR" By Herbert Keppler (Photography Magazine) (SAM-371_00102220 - SAM-371_00102226)
	DX-0303				1993 - Nikon SB-25 Flash System Magic Lantern Guides Manual (SAM-371_00065476 - SAM-371_00065550)
	DX-0304				2002-07-30 - Kurokawa U.S. Patent 6,426,775 entitled "Image Pickup Apparatus With Distance Measurement Dependent On Object Lighting Condition" (Canon) (SAM-371_00065650 - SAM-371_00065662)

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	<u>DX-0305</u>				1994 - Japanese Patent Publication No. 1991-224889 (National Semiconductor Corporation) (SAM-371_00066167 - SAM-371_00066177)
	<u>DX-0306</u>				1995 - Japanese Patent Publication No. 1994-273806 (SAM-371_00066178 - SAM-371_00066182)
	<u>DX-0307</u>				1997 - Japanese Patent Publication No. 1995-91070 (SAM-371_00066183 - SAM-371_00066183)
	<u>DX-0308</u>				1997 - Japanese Patent Publication No. 1995-160692 (SAM-371_00066210 - SAM-371_00066239)
	<u>DX-0309</u>				1997 - Japanese Patent Publication No. 1996-322077 (SAM-371_00066240 - SAM-371_00066250)
	<u>DX-0310</u>				1997 - Laser Show Systems – Support Equipment by William Benner, Spring 1997 Ed 9, Laser F/X Newsletter (SAM-371_00066251 - SAM-371_00066255)
	<u>DX-0311</u>				1999 - Advantech PCI-1713 32 Channel Isolated Analog Input Card Manual (SAM-371_00066256 - SAM-371_00066309)
	<u>DX-0312</u>				04-00-1995 - ADC0852, ADC0854 Multiplex Comparator with 8-Bit Reference Dividers, Texas Instruments - National Semiconductor (SAM-371_00066310 - SAM-371_00066331)
	<u>DX-0313</u>				1994-12-00 - The Merging of Computers and Video: Using Ethernet and SCSI for Digital Video Input and Output by Stephen Kilisky (December 1994) (SAM-371_00066387 - SAM-371_00066390)
	<u>DX-0314</u>				1995-01-00 - National Semiconductor ADC10154, ADC10158 10-Bit Plus Sign 4 ADCs with 4- or 8-Channel MUX, Track/Hold and Reference (SAM-371_00066391 - SAM-371_00066416)
	<u>DX-0315</u>				1997-09-23 - Bucher U.S. Patent No. 5,671,376 entitled "Universal SCSI Electrical Interface System" (SAM-371_00066417 - SAM-371_00066433)
	<u>DX-0316</u>				1989-02-07 - Knapton U.S. Patent No. 4,803,476 entitled "Video Terminal For Use In Graphics and Alphanumeric Applications" (SAM-371_00066434 - SAM-371_00066450)

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	<u>DX-0317</u>				2003-01-28 - Decker U.S. Patent No. 6,512,546 entitled "Image Sensor Using Multiple Array readout Lines" (SAM-371_00066451 - SAM-371_00066475)
	<u>DX-0318</u>				1995-03-28 - Parulski U.S. Patent No. 5,402,170 entitled "Hand-Manipulated Electronic Camera Tethered To A Personal Computer" (SAM-371_00066476 - SAM-371_00066485)
	<u>DX-0319</u>				1998-05-12 - Tipple U.S. Patent No. 5,751,978 entitled "Multi-Purpose Peripheral Bus Driver Apparatus and Method" (SAM-371_00066486 - SAM-371_00066498)
	<u>DX-0320</u>				1999-04-27 - Yamauchi U.S. Patent No. 5,898,735 entitled "Circuit And Method for Signal Transmission' (SAM-371_00066499 - SAM-371_00066549)
	<u>DX-0321</u>				2000-04-25 - Yamauchi U.S. Patent No. 6,055,276 entitled "Signal Transmitting Circuit And Method With Selection Among Differential Pairs" (SAM-371_00066563 - SAM-371_00066608)
	<u>DX-0322</u>				2004-01-06 - Tanaka U.S. Patent No. 6,674,470 entitled "MOS-Type Solid State Imaging Device with High Sensitivity " (SAM-371_00066609 - SAM-371_00066665)
	<u>DX-0323</u>				1999-09-23 - Pain Patent Appl. No. WO 99/48281 entitled "CMOS Integration Sensor With Fully Differential Column Readout Circuit For Light Adaptive Imaging" (SAM-371_00066666 - SAM-371_00066691)
	<u>DX-0324</u>				1992 - Japanese Patent Publication No. 1990-10150 (SAM-371_00066692 - SAM-371_00066709)
	<u>DX-0325</u>				1992-10-29 - Fleming Patent Appl. No. WO 92/18934 entitled "Apparatus For Driving Both Single-Ended And Differential Computer Buses" (SAM-371_00066710 - SAM-371_00066737)
	<u>DX-0326</u>				1998-08-00 - National Semiconductor Channel-Link PCB and Interconnect Design-in Guidelines -Application Note 1108 (SAM-371_00067337 - SAM-371_00067344)
	<u>DX-0327</u>				1995 - Motorola Semiconductors, MC6850 Asynchronous Communications Interface Adapter (ACIA) (SAM-371_00067345 - SAM-371_00067356)

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	DX-0328				1996 - Linfinity Applicate Note, Understand the Single-Ended SCSI Bus - Rev. 1.3 (SAM-371_00067471 - SAM-371_00067485)
	DX-0329				2003-12-16 - Yang U.S. Patent No. 6,665,012 entitled "Process-Scalable High Spatial Resolution And Low Bit Resolution CMOS Area Image Sensor" (SAM-371_00067486 - SAM-371_00067509)
	DX-0330				2003-09-30 - Gaylord U.S. Patent No. 6,628,334 entitled "Method And Apparatus For Improving Image Signals" (SAM-371_00067510 - SAM-371_00067523)
	DX-0331				2001-09-25 - Heller U.S. Patent No. 6,293,465 entitled "CMOS Imaging Device With Integrated Identification Circuitry" (SAM-371_00067524 - SAM-371_00067535)
	DX-0332				2000-10-10 - Bawolek U.S. Patent No. 6,130,422 entitled " Embedded Dielectric Film For Quantum Efficiency Enhancement In A CMOS Imaging Device" (SAM-371_00067536 - SAM-371_00067567)
	DX-0333				2000-04-25 - Yamauchi U.S. Patent No. 6,055,276 entitled "Signal Transmitting Circuit And Method With Selection Among Differential Pairs" (SAM-371_00067568 - SAM-371_00067613)
	DX-0334				1999-04-27 - Yamauchi U.S. Patent No. 5,898,735 entitled " Circuit And Method For Signal Transmission" (SAM-371_00067614 - SAM-371_00067664)
	DX-0335				2006-03-07 - Mattison U.S. Patent No. 7,010,177 entitled "Portability Of Digital Images" (SAM-371_00067665 - SAM-371_00067676)
	DX-0336				1996-08-09 - 1394-based Digital Camera Specification Version 1.04 (SAM-371_00067677 - SAM-371_00067696)
	DX-0337				2003-05-20 - Hashimoto U.S. Patent 6,567,123 entitled "Electronic Camera" (Olympus) (SAM-371_00067697 - SAM-371_0067720)
	DX-0338				1953-12-17 - NTSC Signal Specifications (SAM-371_00067721 - SAM-371_0067727)
	DX-0339				1988-09-27 - Noda U.S. Patent No. 4,774,588 entitled "Flickerless Television Camera" (SAM-371_00067728 - SAM-371_00067740)

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	<u>DX-0340</u>				1998-12-08 - Iura U.S. Patent No. 5,847,756 entitled "Image Pickup Apparatus and Method of Controlling the Same" (SAM-371_00067741 - SAM-371_00067784)
	<u>DX-0341</u>				1997-04-29 - Inuiya U.S. Patent No. 5,625,411 entitled "Video Camera Printer Apparatus and Method of Controlling Same and Apparatus and Method For Detecting Print Inhibit Signal" (SAM-371_00067785 - SAM-371_00067824)
	<u>DX-0342</u>				1999-09-28 - Oster U.S. Patent No. 5,960,153 entitled "Flicker Suppression In a Digital Camera Recording System" (SAM-371_00067825 - SAM-371_00067832)
	<u>DX-0343</u>				1989-08-17 - Japanese Patent Application No. H1-204578 entitled "Television Camera" (Noda - Hitachi, Ltd.) Translation Only (SAM-371_00067833 - SAM-371_00067851)
	<u>DX-0344</u>				1987-06-02 - Samuelson U.S. Patent 4,669,840 entitled "CINEMATOGRAPH CAMERA FLICKER CONTROL AND/OR INDICATING DEVICE" (SAM-371_00067852 - SAM-371_00067858)
	<u>DX-0345</u>				1999-06-08 - Japanese Patent Application Number JP11-155107 entitled "Image Pickup Device" (Hata - Ricoh Company) with Translation (SAM-371_00067859 - SAM-371_00067886)
	<u>DX-0346</u>				1999-10-12 - Inuiya U.S. Patent No. 5,966,173 entitled "Video Camera, Printer Apparatus and Method of Controlling Same, and Apparatus and Method for Detecting Print Inhibit Signal" (SAM-371_00067887 - SAM-371_00067926)
	<u>DX-0347</u>				1995 - Recommendation ITU-R BT.470-5 – Conventional Television Systems (SAM-371_00067927 - SAM-371_00067963)
	<u>DX-0348</u>				1998-01-26 - Article entitled "The Rehabilitation of Gamma" by Charles Poynton; reprinted from Rogowitz, B.E. and T.N. Pappas (eds) Human Vision and Electronic Imaging III, Proceedings of SPIE/IS&T Conference 3299, San Jose, CA Jan. 26-30, 1998 (Bellingham, Wash.: SPIE, 1998) 2002-03-14 Charles Poynton (SAM-371_00067964 - SAM-371_00067981)

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	<u>DX-0349</u>				1994-03-25 - Document entitled "International Organisation For Standardisation Organisation -- Internationale De Normalisation - ISO/IEC JTC1/SC29/WG11 -- Coding of Moving Pictures and Associated Audio ISO/IEC JTC1/SC29/WG11 N0702 Rev Incorporating N702 Delta of 24 March VIDEO - Generic Coding of Moving Pictures and Associated Audio Recommendation H.262 ISO/IEC 13818-2" (SAM-371_00067982 - SAM-371_00068193)
	<u>DX-0350</u>				1994-03-08 -Nakano U.S. Patent No. 5,293,238 Entitled " Television Camera" (SAM-371_00068194 - SAM-371_00068201)
	<u>DX-0351</u>				1999-06-08 - Japanese Patent Application Number JP11-155107 entitled "Image Pickup Device" (Hata - Ricoh Company) (SAM-371_00068202 - SAM-371_00068212)
	<u>DX-0352</u>				1989-08-17 - Japanese Patent Application No. H1-204578 entitled "Television Camera" (Noda - Hitachi, Ltd.) (SAM-371_00068213 - SAM-371_00068223)
	<u>DX-0353</u>				1995-01-24 - Sakaguchi U.S. Patent No. 5,384,595 entitled " Motion Detector and Image Stabilizing System" (SAM-371_00068224 - SAM-371_00068251)
	<u>DX-0354</u>				1955 - Article entitled "Color Television Standards Selected papers and records of the National Television System Committee; Chapter 2 The NTSC Color Television Standards" McGraw-Hill 1955 (SAM-371_00068252 - SAM-371_00068274)
	<u>DX-0355</u>				1998-04-04 - Japanese Patent Application No. H10-98650 entitled "Image Pickup Device" (Kato - Hitachi Ltd.) (SAM-371_00068275 - SAM-371_00068283)
	<u>DX-0356</u>				1996-11-05 - Article entitled "A Standard Default Color Space for the Internet sRGB" by Michael Stokes et al. (SAM-371_00068284 - SAM-371_00068300)

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	<u>DX-0357</u>				1953-07-21 - Document entitled "BEFORE THE FEDERAL COMMUNICATIONS COMMISSION WASHINGTON 25, D.C. -- PETITION OF NATIONAL TELEVISION SYSTEM COMMITTEE FOR ADOPTION OF TRANSMISSION STANDARDS FOR COLOR TELEVISION - NTSC-G-378; National Television System Committee Signal Specification" (SAM-371_00068301 - SAM-371_00068315)
	<u>DX-0358</u>				1953-06-25 - Article entitled "BEFORE THE FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, D. C. -- PETITION OF RADIO CORPORATION OF AMERICA AND NATIONAL BROADCASTING COMPANY, INC. - THE RCA COLOR TELEVISION SYSTEM" by JOHN T. CAHILL ROBERT L. WERNER, RAY R. HOUSTON, EUGENE E. BEYER, JR. Attorneys for Petitioner -- TECHNICAL SIGNAL SPECIFICATIONS PROPOSED AS STANDARDS FOR COLOR TELEVISION (SAM-371_00068316 - SAM-371_00068331)
	<u>DX-0359</u>				1998-01-04 - Charles Poynton, "Frequently Asked Questions about Gamma" (SAM-371_00068332 - SAM-371_00068343)
	<u>DX-0360</u>				1998-11-01 - Article entitled Making Good Looking WWW GIFS or JPEGs for Multi-Platforms with Photoshop" by CGSD Corp. (SAM-371_00068344 - SAM-371_00068346)
	<u>DX-0361</u>				1993-05-16 - Article entitled "Gamma Correction - A note on Gamma correction images" by Graeme W. Gill (SAM-371_00068347 - SAM-371_00068350)
	<u>DX-0362</u>				1996-11-29 - Article entitled "SGI TPL (IRIX 6.2 Developer -- Digital Media Programming Guide Chapter 2 Digital Media Essentials Document Number 007-1799-060" Silicon Graphics Intl. Corp. (SAM-371_00068351 - SAM-371_00068380)
	<u>DX-0363</u>				1997-05-12 - Article entitled "Compression - Optimizing Web Graphics" by Andrew B. King http://www.webreference.com/dev/graphics/compress.html (SAM-371_00068381 - SAM-371_00068391)

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	DX-0364				2000-07-25 - Kobayashi U.S. Patent No. 6,094,223 entitled "Automatic Focus Sensing Device" (SAM-371_00068392 - SAM-371_0068408)
	DX-0365				Universal Serial Bus Specification Rev. 1.0 (1996) (SAM-371_00068409 - SAM-371_00068676)
	DX-0366				1996 - Adaptec Datasheet AHA-8940 Functional Specification, PCI-TO-1395 Host Adapter (SAM-371_00068677 - SAM-371_00068709)
	DX-0367				06-00-1995 - Texas Instruments Datasheet SN95176B Differential Bus Transceiver - SGLS026A (SAM-371_00068710 - SAM-371_00068724)
	DX-0368				03-00-1997 - Texas Instruments Datasheet SN55LBC176, SN65LBC176, SN75BC176 Differential Bus Transceiver - SLLS067D (SAM-371_00068725 - SAM-371_00068738)
	DX-0369				09-00-1995 - Texas Instruments Datasheet SN75ALS170, SN75ALS170A Triple Differential Bus Transceiver (SAM-371_00068739 - SAM-371_00068753)
	DX-0370				09-00-1995 - Texas Instruments Datasheet SN75ALS171, SN75ALS171A Triple Differential Bus Transceiver - SLLS056D (SAM-371_00068754 - SAM-371_00068779)
	DX-0371				05-00-1995 - Texas Instruments Datasheet SN75ALS1711, Triple Differential Bus Transceiver - SLLS117B (SAM-371_00068780 - SAM-371_00068789)
	DX-0372				07-00-1996 - Texas Instruments Datasheet SN75LBC971A SCSI Differential Converter-Data - SLLS186A (SAM-371_00068790 - SAM-371_00068803)
	DX-0373				05-00-1995 - Texas Instruments Datasheet SN75176A, Differential Bus Transceiver - SLLS100A (SAM-371_00068804 - SAM-371_00068819)
	DX-0374				05-00-1997 - Texas Instruments Datasheet TSB11LV01 3-V-Port IEEE 1394-1995 Cable Transceiver/Arbiter - SLLS232B (SAM-371_00068820 - SAM-371_00068841)
	DX-0375				05-00-1995 - Texas Instruments Datasheet UA9637AC Dual Differential Line Transceiver - SLLS111B (SAM-371_00068842 - SAM-371_00068856)

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	<u>DX-0376</u>				11-00-1996 - Ultra2 SCSI – The Evolution Continues, a White Paper prepared by the SCSI Trade Association (SAM-371_00068857 - SAM-371_00068866)
	<u>DX-0377</u>				04-00-1997 - Adaptec Datasheet - Fire Engine PCI Link Chip IEEE-1394 Host Controller (SAM-371_00068867 - SAM-371_00068868)
	<u>DX-0378</u>				06-00-1996 - National Semiconductor Datasheet DS36C200 Dual High Speed Bi-Directional Differential Transceiver - TL/F/12621 (SAM-371_00068869 - SAM-371_00068880)
	<u>DX-0379</u>				1995 - Linear Technology Corporation, Single 5V RS232/RS485 Multiprotocol Transceiver - 1334fa LT/TP 1099 2K Revision A (SAM-371_00068881 - SAM-371_00068896)
	<u>DX-0380</u>				1998-03-04 - VSLI Vision Limited Specification Low Resolution Digital CMOS Image Sensor - VISION VV6300 (cd34021-b.fm) (SAM-371_00068897 - SAM-371_00068939)
	<u>DX-0381</u>				1998-11-03 - Takahashi U.S. Patent 5,831,676 entitled "Image Pickup Device Using Plural Control Parameters for Exposure Control" (SAM-371_00068940 - SAM-371_00068989)
	<u>DX-0382</u>				1999-05-15 - Omnivision Data Sheet OV7610 Single-Chip CMOS VGA Color Digital Camera -- OV7110 Single-Chip CMOS VGA B&W Digital Camera Features (Version 1.3) (SAM-371_00068990 - SAM-371_00069018)
	<u>DX-0383</u>				2013-01-19 - Samsung document entitled "JF Command Scenario (Ver. 1.0)" (SAM-371_00096326 - SAM-371_00096335)
	<u>DX-0384</u>				1999-06-08 - Japanese Patent Application Pub. No. H11-155107 entitled "Image Pickup Device" (Hata - Ricoh Company) with certified translation (SAM-371_00096442 - SAM-371_0096480)
	<u>DX-0385</u>				1989-08-17 - Japanese Patent Application Pub. No. H1-204578 entitled "Television Camera" (Noda - Hitachi, Ltd.) with certified translation (SAM-371_00096481 - SAM-371_0096510)
	<u>DX-0386</u>				1995-01-24 - Sakaguchi U.S. Patent No. 5,384,595 entitled " Motion Detector and Image Stabilizing System" (SAM-371_00096511 - SAM-371_0096538)

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	DX-0387				1988-09-27 - Noda U.S. Patent No. 4,774,588 entitled "Flickerless Television Camera" (SAM-371_00096546 - SAM-371_0096558)
	DX-0388				2015-05-20 -Declaration of William M. Serra In Support of Samsung Petition for Inter Partes Review of U.S. Patent 6,271,884 (SAM-371_00096559 - SAM-371_0096572)
	DX-0389				1994-03-08 -Nakano U.S. Patent No. 5,293,238 Entitled " Television Camera" (SAM-371_00096573 - SAM-371_0096580)
	DX-0390				1998-12-08 - Iura U.S. Patent No. 5,847,756 entitled "Image Pickup Apparatus and Method of Controlling the Same" (SAM-371_00096581 - SAM-371-0096624)
	DX-0391				1997-04-29 - Inuiya U.S. Patent No. 5,625,411 entitled "Video Camera Printer Apparatus and Method of Controlling Same and Apparatus and Method For Detecting Print Inhibit Signal" (SAM-371_00096625 - SAM-371_0096663)
	DX-0392				1999-09-28 - Oster U.S. Patent No. 5,960,153 entitled "Flicker Suppression In a Digital Camera Recording System" (SAM-371_00096664 - SAM-371_0096671)
	DX-0393				1998-04-04 - Japanese Patent Application Pub. No. H10-98650 entitled "Image Pickup Device" (Kato - Hitachi Ltd.) with certified translation (SAM-371_00096672 - SAM-371_0096695)
	DX-0394				09-24-1996 - Shimizu U.S. Patent 5,559,555 entitled "APPARATUS FOR PERFORMING EXPOSURE CONTROL PERTAINING TO THE LUMINANCE LEVEL OF AN OBJECT" (SAM-371_00096711 - SAM-371_00096731)
	DX-0395				2000-07-25 - Kobayashi U.S. Patent No. 6,094,223 entitled "Automatic Focus Sensing Device" (SAM-371_00096732 - SAM-371_0096748)
	DX-0396				1998-01-04 - Charles Poynton, "Frequently Asked Questions about Gamma" (SAM-371_00096749 - SAM-371_0096760)
	DX-0397				1993-05-16 - Article entitled "Gamma Correction - A note on Gamma correction images" by Graeme W. Gill (SAM-371_00096761 - SAM-371_00096764)

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	<u>DX-0398</u>				1994-03-25 - Document entitled "International Organisation For Standardisation Organisation -- Internationale De Normalisation - ISO/IEC JTC1/SC29/WG11 -- Coding of Moving Pictures and Associated Audio ISO/IEC JTC1/SC29/WG11 N0702 Rev Incorporating N702 Delta of 24 March VIDEO - Generic Coding of Moving Pictures and Associated Audio Recommendation H.262 ISO/IEC 13818-2" (SAM-371_00096765 - SAM-371_00096976)
	<u>DX-0399</u>				1953-12-17 - NTSC Signal Specifications (SAM-371_00096977 - SAM-371_00096983)
	<u>DX-0400</u>				1953-07-21 - Document entitled "BEFORE THE FEDERAL COMMUNICATIONS COMMISSION WASHINGTON 25, D.C. -- PETITION OF NATIONAL TELEVISION SYSTEM COMMITTEE FOR ADOPTION OF TRANSMISSION STANDARDS FOR COLOR TELEVISION - NTSC-G-378; National Television System Committee Signal Specification" (SAM-371_00096984 - SAM-371_00096998)
	<u>DX-0401</u>				1998-11-01 - Article entitled Making Good Looking WWW GIFs or JPEGs for Multi-Platforms with Photoshop" by CGSD Corp. (SAM-371_00096999 - SAM-371_00097001)
	<u>DX-0402</u>				1997-05-12 - Article entitled "Compression - Optimizing Web Graphics" by Andrew B. King http://www.webreference.com/dev/graphics/compress.html (SAM-371_00097002 - SAM-371_00097012)
	<u>DX-0403</u>				2012-07-02 - Imperium v. Apple et al. CIVIL ACTION NO.4: 11-CV-163 (MHS) Report and Recommendation of United States Magistrate Judge Mazzant on Claim Construction (Docket No. 209) (SAM-371_00097013 - SAM-371_00097060)
	<u>DX-0404</u>				2013-01-28 - Imperium v. Apple et al. CIVIL ACTION NO.4: 11-CV-163 (MHS) Memorandum Adopting Report and Recommendation of United States Magistrate Judge (Mazzant) on Claim Construction (Docket No. 401) (SAM-371_00097061 - SAM-371_00097075)

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	<u>DX-0405</u>				2015-04-13 - Imperium v. Samsung Civil Action No. 4:14-cv-00371 (ALM) Joint Claim Construction and Prehearing Statement (Docket No. 86) (SAM-371_00097076 - SAM-371_00097097)
	<u>DX-0406</u>				1994-03-08 - Nishiyama U.S. Patent No. 5,293,225 entitled "Digital Signal Processing System for Color Camera Apparatus Including Separate Delays for Color Signal and Brightness Signal Processing" (SAM-371_00097098 - SAM-371_0097118)
	<u>DX-0407</u>				2015-05-22 - Samsung Petition for Inter Partes Review of U.S. Patent 6,271,884 (SAM-371_00097119 - SAM-371_00097185)
	<u>DX-0408</u>				2015-04-28 - Samsung Power of Attorney for Samsung Electronics Co. Ltd. re: Petition for Inter Partes Review of U.S. Patent 6,271,884 (SAM-371_00097187 - SAM-371_00097189)
	<u>DX-0409</u>				2015-05-06 - Samsung Power of Attorney for Samsung Electronics America, Inc. re: Petition for Inter Partes Review of U.S. Patent 6,271,884 (SAM-371_00097190 - SAM-371_00097192)
	<u>DX-0410</u>				1995 - Recommendation ITU-R BT.470-5 – Conventional Television Systems (SAM-371_00097193 - SAM-371_0097229)
	<u>DX-0411</u>				1996-11-29 - Article entitled "SGI TPL (IRIX 6.2 Developer -- Digital Media Programming Guide Chapter 2 Digital Media Essentials Document Number 007-1799-060" Silicon Graphics Intl. Corp. (SAM-371_00097230 - SAM-371_00097259)
	<u>DX-0412</u>				1996-11-05 - Article entitled "A Standard Default Color Space for the Internet sRGB" by Michael Stokes et al. (SAM-371_00097260 - SAM-371_00097276)

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	DX-0413				1953-06-25 - Article entitled "BEFORE THE FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, D. C. -- PETITION OF RADIO CORPORATION OF AMERICA AND NATIONAL BROADCASTING COMPANY, INC. - THE RCA COLOR TELEVISION SYSTEM" by JOHN T. CAHILL ROBERT L. WERNER, RAY R. HOUSTON, EUGENE E. BEYER, JR. Attorneys for Petitioner -- TECHNICAL SIGNAL SPECIFICATIONS PROPOSED AS STANDARDS FOR COLOR TELEVISION (SAM-371_00097277 - SAM-371_00097292)
	DX-0414				2015-04-30 - Samsung Power of Attorney for Samsung Semiconductor, Inc. re: Petition for Inter Partes Review of U.S. Patent 6,271,884 (SAM-371_00097293 - SAM-371_00097295)
	DX-0415				1999-09-28 - United States File history Serial Number 09/406964 entitled "Image Flicker Reduction with Fluorescent Lighting" Randall M. Chung et al. (SAM-371_00097305 - SAM-371_00097510)
	DX-0416				2015-05-23 Declaration of Dean Neikirk PH.D. In Support of Petition for Inter Partes Review of United States Patent No. 6,271,884 (SAM-371_00097511 - SAM-371_0097772)
	DX-0417				2003-05-20 - Hashimoto U.S. Patent No. 6,567,123 entitled "Electronic Camera" (SAM-371_00097773 - SAM-371_0097796)
	DX-0418				1955 - Article entitled "Color Television Standards Selected papers and records of the National Television System Committee; Chapter 2 The NTSC Color Television Standards" McGraw-Hill 1955 (SAM-371_00097797 - SAM-371_00097819)
	DX-0419				2015-05-22 - Samsung Petition for Inter Partes Review of U.S. Patent 6,271,884 (SAM-371_00097820 - SAM-371_00097887)
	DX-0420				2002-09-17 - Umeda U.S. Patent No. 6,452,632 entitled " Solid State Image Sensor and Video System Using the Same" (SAM-371_00097945 - SAM-371_00098022)

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	<u>DX-0421</u>				2000-09-05 - Sears U.S. Patent No. 6,115,482 entitled "Voice-Output Reading System with Gesture-Based Navigation " (SAM-371_00098023 - SAM-371_00098044)
	<u>DX-0422</u>				2015-05-20 - Declaration of R. Jacob Baker in Support of Samsung Petition For Inter Partes Review of U.S. Patent 6,836,290 (SAM-371_00098045 - SAM-371_00098218)
	<u>DX-0423</u>				"Electronic Packaging of High Speed Circuitry," Stephen G. Konsowski and Arden R. Helland, McGraw-Hill (1997) Chapters 6-8 (SAM-371_00098219 - SAM-371_00098393)
	<u>DX-0424</u>				"Microcomputer Interfacing," Harold S. Stone, Addison-Wesley Publishing Company (1982) (SAM-371_00098394 - SAM-371_00098460)
	<u>DX-0425</u>				"Interfacing Techniques in Digital Design with Emphasis on Microprocessors," Ronald L. Krutz, John Wiley & Sons (1988) Chapters 1, 2, and 4 (SAM-371_00098528 - SAM-371_00098631)
	<u>DX-0426</u>				"Summary of Well Known Interface Standards," John Goldie, National Semiconductor Corporation Application Note 216 (July 1998) (SAM-371_00098632 - SAM-371_00098643)
	<u>DX-0427</u>				"An Overview of LVDS Technology," John Goldie, National Semiconductor Corporation (July 1998) (SAM-371_00098644 - SAM-371_00098651)
	<u>DX-0428</u>				"LVDS Owner's Manual and Design Guide," National Semiconductor (Spring 1997) (SAM-371_00098652 - SAM-371_00098717)
	<u>DX-0429</u>				"IEEE Standard for Low-Voltage Differential Signals (LVDS) for Scalable Coherent Interface (SCI)," IEEE Computer Society (1996) (SAM-371_00098718 - SAM-371_00098756)
	<u>DX-0430</u>				"Universal Serial Bus Specification (Revision 1.0)," Compaq Computer Corporation et al. (January 15, 1996) (SAM-371_00098757 - SAM-371_00099024)
	<u>DX-0431</u>				"IEEE P1394 Draft 8.0v2, Standard for a High Performance Serial Bus" IEEE Standards Department (July 7, 1995) (SAM-371_00099025 - SAM-371_00099438)

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	<u>DX-0432</u>				"A General Control System For Imaging Arrays," Unewisse et al., Measurement Science & Technology, Vol. 5, No. 4 (April 1994) (SAM-371_00099439 - SAM-371_00099448)
	<u>DX-0433</u>				AM26LS30 Datasheet entitled "Dual Differential (EIA-422-A) Quad Single-Ended (EIA-423-A) Line Drivers" Motorola Inc. (1995) (SAM-371_00099449 - SAM-371_00099463)
	<u>DX-0434</u>				1998-05-12 - Tipple U.S. Patent No. 5,751,978 entitled Multi-Purpose Peripheral Bus Driver Apparatus and Method" (Motorola) (SAM-371_00099464 - SAM-371_00099476)
	<u>DX-0435</u>				1998-02-03 - Bucher U.S. Patent No. 5,715,409 entitled "Universal SCSI Electrical Interface System" (I-Tech Corporation) (SAM-371_00099477 - SAM-371_00099492)
	<u>DX-0436</u>				1984-04-03 - Parkinson U.S. Patent No. 4,441,125 entitled "Image Sensor Using Dynamic Random Access Memory" (Micron Technology) (SAM-371_00099493 - SAM-371_00099501)
	<u>DX-0437</u>				"MicronEye Operator's Manual," Micron Technology Incorporated (1984) (SAM-371_00099502 - SAM-371_00099643)
	<u>DX-0438</u>				"The Programmer's Guide to SCSI," Brian Sawert, Addison-Wesley (1998) (SAM-371_00099644 - SAM-371_00099667)
	<u>DX-0439</u>				AD7306 Datasheet "+5 V Powered RS-232/RS-422 Transceiver", Analog Devices (8/1994) (SAM-371_00099668 - SAM-371_00099675)
	<u>DX-0440</u>				"The MicronEye," Dr. Chris Wieland, Byte Magazine, Vol. 8, No. 10, pp. 316-320 (October 1983) (SAM-371_00099676 - SAM-371_00099684)
	<u>DX-0441</u>				DAQCard™ -500 User Manual: Multifunction I/O Card for Type II PCMCIA Bus," National Instruments Corporation (1996) (SAM-371_00099685 - SAM-371_00099740)
	<u>DX-0442</u>				2015-05-20 -Declaration of William M. Serra In Support of Samsung Petition for Inter Partes Review of U.S. Patent 6,836,290 (SAM-371_00100005 - SAM-371_00100016)
	<u>DX-0443</u>				2015-04-28 - Samsung Power of Attorney for Samsung Electronics Co. Ltd. re: Petition for Inter Partes Review of U.S. Patent 6,836,290 (SAM-371_00100085 - SAM-371_00100087)

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	<u>DX-0444</u>				2015-04-28 - Samsung Power of Attorney for Samsung Electronics America, Inc. Petition for Inter Partes Review of U.S. Patent 6,836,290 (SAM-371_00100088 - SAM-371_00100090)
	<u>DX-0445</u>				2015-04-30- Samsung Power of Attorney for Samsung Semiconductor, Inc. re: Petition for Inter Partes Review of U.S. Patent 6,836,290 (SAM-371_00100113 - SAM-371_00100113)
	<u>DX-0446</u>				2015-05-22 - Samsung Petition For Inter Parties Review of U.S. Patent 6,836,290 (SAM-371_00100562 - SAM-371_00100562)
	<u>DX-0447</u>				1997-07-29 - Yasukawa U.S. Patent No. 5,652,929 entitled "Camera Having A Through-The-Lens Automatic Light Adjustment Control Device" (Nikon) (SAM-371_00101194 - SAM-371_00101214)
	<u>DX-0448</u>				2002-07-30- Kurokawa U.S. Patent No. 6,426,775 entitled "Image Pickup Apparatus With Distance Measurement Dependent On Object Lighting Condition" (Canon) (SAM-371_00101215 - SAM-371_00101227)
	<u>DX-0449</u>				1984-11-27 - Kataoka U.S. Patent 4,484,807 entitled "Flash Light With Pre-Emission Control" (Canon) (SAM-371_00101228 - SAM-371_00101243)
	<u>DX-0450</u>				1995 - Canon EOS Elan II Elan IIE English Edition Instructions (SAM-371_00101257 - SAM-371_00101355)
	<u>DX-0451</u>				1995 - Canon Speedlite 380EX Instructions English Edition Instructions (SAM-371_00101607 - SAM-371_00101631)
	<u>DX-0452</u>				1999 - Booklet - Canon Flash Work: Taking Great Pictures with Canon Speedlites (SAM-371_00101632 - SAM-371_00101683)
	<u>DX-0453</u>				2015-05-11 - Declaration of Christopher Butler Certifying Records of Internet Archive (SAM-371_00101759 - SAM-371_00101765)
	<u>DX-0454</u>				1993 - Magic Lanterns Guide Nikon SB-25 Flash System by Michael Huber - Silver Pixel Press (SAM-371_00101684 - SAM-371_00101758)
	<u>DX-0455</u>				Nikon D1 Instruction Manual (SAM-371_00101766 - SAM-371_00101909)

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	DX-0456				2015-05-11 - Declaration of Christopher Butler Certifying Records of Internet Archive re: Nikon D1 Press Release (SAM-371_00101910 - SAM-371_00101921)
	DX-0457				2015-05-11 - Declaration of Christopher Butler Certifying Records of Internet Archive re: Nikon D1 Brochure (SAM-371_00101922 - SAM-371_00101931)
	DX-0458				2015-05-11 - Declaration of Christopher Butler Certifying Records of Internet Archive re: Nikon SB-28DX Press Release (SAM-371_00101937 - SAM-371_00101946)
	DX-0459				1999 - Magic Lanterns Guide Nikon SB-28 AF Speedlite by Michael Huber - Silver Pixel Press (SAM-371_00102227 - SAM-371_00102389)
	DX-0460				1993-10-26 - Ishimaru U.S. Patent No. 5,257,063 entitled "Flashing Controller" (Olympus) (SAM-371_00101128 - SAM-371_00101153)
	DX-0461				1989-11-21 – Japanese Patent Application Pub. No. H01-289925 entitled “Stroboscopic System for Cameras” (Nakajima – Olympus) with certified translation (SAM-371_00101154 - SAM-371_00101180)
	DX-0462				1970- Book entitled "Electronic Flash Strobe" by Harold E. Edgerton pp. 246-247 (SAM-371_00101244 - SAM-371-00101247)
	DX-0463				1997 - Electronic Flash - The Kodak Workshop Series by Jack Neubart pp. 44-46 (SAM-371_00101248 - SAM-371_00101252)
	DX-0464				1993 - Fundamentals of Electronic Imaging Systems - Some Aspects of image Processing by William F. Schreiber (Section 2.2 Photometry) Springer-Verlag (SAM-371_00101253 - SAM-371_00101256)
	DX-0465				Nikon Autofocus Speedlight SB-28DX Instruction Manual (SAM-371_00101932 - SAM-371_00101936)
	DX-0466				1993 - Minolta Maxxum Flash Program Flash 5400HS Instruction Manual (SAM-371_00101947 - SAM-371_00102002)
	DX-0467				03-00-1999 - "Test Minolta Maxxum 9"(Photography Magazine) (SAM-371_00102062 - SAM_371_00102071)
	DX-0468				2015-05-22 Declaration of Kenneth Parulski In Support of Petition for Inter Partes Review of United States Patent No. 7,092,029 (SAM-371_00102390 - SAM-371_00102703)

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	DX-0469				2015-05-22 Samsung Petition for Inter Partes Review of United States Patent No. 7,092,029 (SAM-371_00102715 - SAM-371_00102781)
	DX-0470				2013-03-29 - Samsung Document entitled "14nm DPHY Channel model (CSI) by Chung Younwoong (SAM-371_00103889 - SAM-371_00103906)
	DX-0471				MIPI Alliance document entitled "M-PHY Next-Gen MIPI Physical Layer - on behalf of the PHY WG" by Gerrit den Besten NXP Semiconductors (SAM-371_00119222 - SAM-371_00119240)
	DX-0472				2014-07-00 - Qualcomm document entitled "Stats Module Code Walkthrough for MSM8994/APQ8084/MSM8974/APQ8074/MSM8x26 Linux Camera Software (80-NF499-7 B)" (SAM-371_00140323 - SAM-371_00140340)
	DX-0473				2014-09-25 - Samsung document entitled " FLASH - Camera Group" (SAM-371_00142012 - SAM-371_00142020)
	DX-0474				2012-10-17 - Samsung document entitled "AE API Guide" (SAM-371_00142501 - SAM-371_00142529)
	DX-0475				2012-10-22 - Samsung document entitled "Camera 2.0 Scenario - Flash" by YH Joo (SAM-371_00142739 - SAM-371_00142747)
	DX-0476				2011-04-04 - Samsung document entitled "SyRi" (SAM-371_00145925 - SAM-371_00145934)
	DX-0477				2010-10-26 - Qualcomm Qcamera Auto Exposure Control Application Note 80-VJ186-1 B (SAM-371_00146435 - SAM-371_00146485)
	DX-0478				2012 - Samsung document entitled "Auto Exposure Guide" (SAM-371_00147713 - SAM-371_00147726)
	DX-0479				2012 - Samsung document entitled "Auto Exposure Guide" (SAM-371_00150543 - SAM-371_00150565)
	DX-0480				2008-03-00 - Document entitled "Nvidia APX 2500 Applications Processor" (SAM-371_00188715 - SAM-371_00188764)
	DX-0481				2010-09-08 - Samsung Excel spreadsheet entitled "ISP_PREP_TOP Code Average Version RTL (MPW)" (native) (SAM-371_00194280 - SAM-371_00194280)

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	DX-0482				2010-12-13 - Samsung Excel spreadsheet entitled "ISP_PREP_TOP Test List - RTL MP Version" (native) (SAM-371_00194281 - SAM-371_00194281)
	DX-0483				2011-10-21 - Samsung Excel spreadsheet entitled "ISP01 Test List RTL update Final RTL" (native) (SAM-371_00195591 - SAM-371_00195591)
	DX-0484				2010-12-14 - Samsung Excel spreadsheet entitled "ISP_PREP_TOP History MPW Version" (native) (SAM-371_00195592 - SAM-371_00195592)
	DX-0485				2011-04-01 - Samsung Excel spreadsheet entitled "Project Name: ISP01 SSDM Camera Module Lab" (native) (SAM-371_00195609 - SAM-371_00195609)
	DX-0486				2011-04-01 - Samsung Excel spreadsheet entitled "Project Name: ISP01 SSDM Camera Module Lab" (native) (SAM-371_00195610 - SAM-371_00195610)
	DX-0487				2007-08-04 - Article entitled "APEX - The Additive System of Photographic Exposure" by Douglas A. Kerr (SAM-371_00198337 - SAM-371_00198352)
	DX-0488				Exhibit Number Not Used
	DX-0489				2007-04-02 - Samsung document entitled "AE Module (for ZORAN Model) Ver.2.0" (SAM-371_00199894 - SAM-371_00199923)
	DX-0490				2008-04-01 - Samsung document entitled "STW AE Sequence Module Design - Ver. 4.0" (SAM-371_00199979 - SAM-371_00199999)
	DX-0491				2008-03-17 - Samsung Techwin document entitled "STW Strobe Algorithm" Version 1.0 (SAM-371_00200100 - SAM-371_00200117)
	DX-0492				2012-11-12 - Realtek Datasheet "RTS5838 (Part Number: RTS5838-GR) USB2.0 PC CAMERA CONTROLLER WITH IMAGE SIGNAL PROCESSING AND MJPEG ENCODER" (SAM-371_00251181 - SAM-371_00251206)
	DX-0493				2013-06-12 - MIPI® D-PHY Physical Layer Conformance Test Suite (Draft) (SAM-371_00281564 - SAM-371_00281832)

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	DX-0494				2013-11-00 - Qualcomm document entitled "MSM8974/APQ8074/MSM8x26/APQ8084 Linux Camera Overview - 80-NA157-22 E" (SAM-371_00296974 - SAM-371_00297051)
	DX-0495				2009-02-00 - Analog Tech Product Datasheet "AAT1271A SwitchReg 1.5A Step-Up Current Regulator for Flash LEDs" (SAM-371_00298373 - SAM-371_00298391)
	DX-0496				2013-01-00 - Samsung Application Note S5K3L2XX 1/3.2" 13M CMOS Image Sensor with 30 fps FHD (Revision 1.0) (SAM-371_00432040 - SAM-371_00432157)
	DX-0497				11-25-2009 - Samsung Data Sheet "S5K5BAF[m1] 1/5" 2MP CMOS Image Sensor SoC with an Embedded Image Processor (Revision 0.08)" (SAM-371_00432423 - SAM-371_00432508)
	DX-0498				2007-07-24 - Samsung Application Note "S5KA3DFX (EVT1) 1/10" VGA CMOS Image Sensor Embedded with Image Signal Processor (Version 1.0)" (SAM-371_00432509 - SAM-371_00432578)
	DX-0499				2010-07-30 - Samsung Release Note "SBBGX EVT1 S/W Version 0.6" (SAM-371_00432579 - SAM-371_00432664)
	DX-0500				2010-08-09 - Samsung Release Note "SCCGX EVTO S/W Version 0.2" (SAM-371_00432665 - SAM-371_00432764)
	DX-0501				2006-02-14 - Samsung Application Note "S5K4AAFA (EVT2) 1/4" SXGA CMOS Image Sensor Embedded with Image Signal Processor (Version 0.8)" (SAM-371_00432973 - SAM-371_00433061)
	DX-0502				2008-06-09 - Samsung Application Note "S5K5AAFA (EVT2) (Version 0.01)" (SAM-371_00433274 - SAM-371_00433354)
	DX-0503				2009-06-26 - Samsung Application Note "SSKSBAF 1/5" 2Mp CMOS Image Sensor SoC with an Embedded Image Processor (Revision 0.03)" (SAM-371_00433355 - SAM-371_00433458)
	DX-0504				2010-09-06 - Samsung Application Note "55K6AAFX (EVT3 (Revision 6))" (SAM-371_00433459 - SAM-371_00433519)

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	<u>DX-0505</u>				2008-09-09 - Samsung Data Sheet S5K5AAFA 1/5" SXGA CMOS Image Sensor with an Embedded Image Signal Processor (Revision 002) (SAM-371_00433705 - SAM-371_00433838)
	<u>DX-0506</u>				2009-11-11 - Samsung Preliminary Specification "SR130PC10 Version 1.0.0 1.3Mega(1/6") CMOS Image Sensor with Image Signal Processor' (SAM-371_00434614 - SAM-371_00434702)
	<u>DX-0507</u>				2014-01-03 - Realtek Datasheet "RTS5840 (Part Number: RTS5840-GR) USB2.0 PC CAMERA CONTROLLER WITH IMAGE SIGNAL PROCESSING AND MJPEG ENCODER (Revision 1.20"" (SAM-371_00437266 - SAM-371_00437291)
	<u>DX-0508</u>				2011-05-23 - Realtek Datasheet "RTS5821 (Part Number: RTS5821-GR) USB2.0 PC CAMERA CONTROLLER WITH IMAGE SIGNAL PROCESSING AND MJPEG ENCODER (Revision 0.10)" (SAM-371_00437292 - SAM-371_00437320)
	<u>DX-0509</u>				2013-03-27 - Realtek Datasheet RTS5832 (Part Number: RTS5832-GR) USB2.0 PC CAMERA CONTROLLER WITH IMAGE SIGNAL PROCESSING AND MJPEG ENCODER (Rev.1.10) (SAM-371_00437321 - SAM-371_00437346)
	<u>DX-0510</u>				2012-11-05 - Sunplus Data Sheet SPCA2082A HD USB2.0 NB/PC Camera Controller (Version 1.1) (SAM-371_00437347 - SAM-371_00437366)
	<u>DX-0511</u>				2012-01-03 - Sonix Datasheet "USB 2.0 Video PC Camera Controller SN9C270A Preliminary Document No.: SA3TD- 20120104-A Version: v0.01" (SAM-371_00437367 - SAM-371_00437386)
	<u>DX-0512</u>				2012-04-25 - OmniVision Datasheet Product Specification OV97721/7" 720p color CMOS sensor with OmniBSI-2" technology (Version 2.0) (SAM-371_00437492 - SAM-371_00437592)
	<u>DX-0513</u>				2010-01-19 - OmniVision Data Sheet Preliminary Specification OV9726 1/6.5 720p HDTV color CMOS sensor with OmniBSI technology (Version 1.1) (SAM-371_00437651 - SAM_371_00437762)
	<u>DX-0514</u>				2009-09-16 - Samsung DRIMelll User Manual Version 0.95 (SAM-371_00439961 - SAM-371-00440025)

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	DX-0515				2015-06-17 - Samsung Application Note S5K4E6XX13 1/4.1" 5M CMOS Image Sensor (Revision 0.03) (SAM-371_00442388 - SAM-371_00442435)
	DX-0516				2013-10-29 - Samsung Data Sheet S5K2P1YX45 1/2. 33" 16M CMOS Image Sensor for Serial (Sub Lvds/Mipi) Interface (Revision 3.07) (SAM-371_00442436 - SAM-371_00442581)
	DX-0517				2011-05-04 - Email chain Stuart Kaler to Jun Bang re: Contact Information (SAM-371_00445037 - SAM-371_00445039)
	DX-0518				2011-05-05 - Email chain Stuart Kaler to Jun Bang re: contact information (SAM-371_00445040 - SAM-371_00445042)
	DX-0519				2011-05-07 - Email chain Stuart Kaler to Jun Bang re: contact information (SAM-371_00445043 - SAM-371_00445046)
	DX-0520				2011-05-07 - Email chain Stuart Kaler to Jun Bang re: contact information (SAM-371_00445047 - SAM-371_00445050)
	DX-0521				2011-05-10 - Email chain Jun Bang to Stuart Kaler re: Initial Discussion with Alan Fisch (SAM-371_00445051 - SAM-371_00445056)
	DX-0522				2011-05-10 - Email chain Jun Bang to Stuart Kaler re: Initial Discussion with Alan Fisch (SAM-371_00445057 - SAM-371_00445061)
	DX-0523				2011-05-27 - Email Stuart Kaler to Hun Bang and Jongsoo Lee re: Imperium Holdings Offer (SAM-371_00445062 - SAM-371_00445063)
	DX-0524				2011-06-01 - Email Stuart Kaler to Jun Bang and Jongsoo Lee Re: Update -- Imperium Holdings Offer-- 05-31-11 (SAM-371_00445064 - SAM-371_00445066)
	DX-0525				2011-06-11 - Email chain Stuart Kaler to Jun Bang and Jongsoo Lee re: UPDATE-- Imperium Holdings Offer -- 06-02-11 (SAM-371_00445067 - SAM-371_00445069)
	DX-0526				2011-06-21 - Email chain Stuart Kaler to Jun Bang and Jongsoo Lee re: UPDATE -- Imperium Holdings Offer -- 06-13-11 (SAM-371_00445070 - SAM-371_00445074)

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	DX-0527				2011-07-01 - Email Stuart Kaler to Jun Bang and Jongsoo Lee re: UPDATE -- Imperium Holdings (SAM-371_00445075 - SAM-371_00445075)
	DX-0528				2011-07-08 - Email chain Stuart Kaler to Jun Bang and Jongsoo Lee re: UPDATE -- Imperium Holdings (SAM-371_00445076 - SAM-371_00445077)
	DX-0529				2011-07-21 - Email Stuart Kaler to Jun Bang and Jongsoo lee re: Apple Answer to Complaint -- 07-18-11 (SAM-371_00445078 - SAM-371_00445078)
	DX-0530				2011-07-26 - Email chain Stuart Kaler to Jun Bang and Jungsoo Lee re: Imperium (SAM-371_00445091 - SAM-371_00445092)
	DX-0531				2011-08-24 - Email chain Stuart Kaler to Jongsoo Lee re: Regarding the Invoice (SAM-371_00445093 - SAM-371_00445097)
	DX-0532				2011-08-26 - Email chain Stuart Kaler to Jung Bang and Jongsoo Lee re: Call from Alan Fisch (SAM-371_00445098 - SAM-371_00445099)
	DX-0533				2011-07-06 - Email chain Stuart Kaler to Jun Bang re: Call from Alan Fisch and Imperium (SAM-371_00445100 - SAM-371_00445103)
	DX-0534				2012-07-09 - Email chain Stuart Kaler to Jun Bang re: Call from Alan Fisch and Imperium (SAM-371_00445104 - SAM-371_00445107)
	DX-0535				2012-07-09 - Email chain Stuart Kaler to Jun Bang re: Call from Alan Fisch and Imperium (SAM-371_00445108 - SAM-371_00445111)
	DX-0536				2012-07-12 - Email chain Stuart Kaler to Jun Bang re: Call from Alan Fisch and Imperium (SAM-371_00445112 - SAM-371_00445116)
	DX-0537				2012-07-12 - Email chain Stuart Kaler to Jun Bang re: Call from Alan Fisch and Imperium (SAM-371_00445122 - SAM-371_00445122)
	DX-0538				2012-07-12 - Email chain Stuart Kaler to Jun Bang re: Call from Alan Fisch and Imperium (SAM-371_00445125 - SAM-371_00445125)
	DX-0539				1992-05-01 - Japanese Patent Application Pub. No. 1992-130866 entitled "Electronic Imaging Apparatus Provided With Fluorescent Lamp for Illumination" (Iwamatsu - Fuji) with certified translation (SAM-371_00465184 - SAM-371_00465195)

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	DX-0540				2009-08-00 - Samsung document entitled "Mobile SoC Code Information" (SAM-371_00481610 - SAM-371_00481617)
	DX-0541				2014-12-10 - Samsung User's Manual Exynos 7420 Application Processor (Revision 0.20) (SAM-371_00495771 - SAM-371_00501256)
	DX-0542				2012-07-31 - Samsung Data Sheet S5K4E5YA 1/4" QSXGA CMOS Image Sensor (Revision 0.03) (SAM-371_00508953 - SAM-371_00509048)
	DX-0543				2004-06-00 - The DCS Story - 17 Years of Kodak Professional Digital Camera Systems 1987-2004 by Jim McGarvey (SAM-371_00509966 - SAM_371_00509987)
	DX-0544				2011-07-27 - Samsung Data Sheet S5K6A1GX 1/6" 1.3M CMOS Image Sensor (revision 0.20) (SAM-371_00512270 - SAM-371_00512355)
	DX-0545				1997- Kodak Professional DCS 500 Series Digital Cameras User's Guide (SAM-371_00512430 - SAM-371_00512735)
	DX-0546				1999 - Minolta Maxxum 9 Brochure (SAM-371_00512808 - SAM-371_00512827)
	DX-0547				1990 - Texas Instruments "Digital Signal Processing Applications with the TMS320 Family - Theory, Algorithms, and Applications Volume 3; Digital Signal Processing Products" (SAM-371_00513146 - SAM-371_00513724)
	DX-0548				1990 - Analog Dialogue "RAM-DAC Upgrade Dramatically Enhances VGA Graphics AD7148 provides 1280 x 1024 apparent resolution, 792,000 colors, transparently solves longstanding "jaggies" aliasing problem" by Bill Schweber (SAM-371_00513726 - SAM-371_00513753)
	DX-0549				Article entitled "White LED Flash" by Andreas Wacker - Texas Instruments (SAM-371_00513754 - SAM-371_00513769)
	DX-0550				1960 - Electronic Flash Photography - A Survey of Principles and Practical Techniques in Industry, Research and Radiology by Ralph L. Aspden (SAM-371_00513770 - SAM-371_00513783)

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	DX-0551				2015 - Samsung Galaxy S III (16GB) GT-19300 Specifications (SAM-371_00513824 - SAM-371_00513829)
	DX-0552				2015 - Samsung Galaxy S 5 Specifications (SAM-371_00513830 - SAM-371_00513835)
	DX-0553				2015 - Samsung Galaxy S 5+ Specifications (SAM-371_00513836 - SAM-371_00513842)
	DX-0554				1991 - Physics and its Applications 2 - Basic Digital Electronics by J. A. Strong - Chapter 7 The Analogue Connection pp. 146 - 177 (Chapman and Hall) (SAM-371_00513843 - SAM-371_00513882)
	DX-0555				2002 - Digital Electronics and Logic Design by B Somanathan Nair - Chapter 9 Digital-to-Analog and Analog-to-Digital Converters (Prentice Hall of India) (SAM-371_00513883 - SAM-371_00513905)
	DX-0556				2006-02-10 - Article "Mobile Chip Interface Gets Real" by Rick Merritt http://www.eetimes.com/document.asp?doc_id=1159334 (SAM-371_00513906 - SAM-371_00513908)
	DX-0557				2015- Article entitled "History of Digital Imaging" by Forza Silicon Corporation (SAM-371_00513909 - SAM-371_00513913)
	DX-0558				http://mipi.org/content/mipi%ae-alliance-formstest-working-group-approves-enhanced-Specificationtesting-policy (SAM-371_00513914 - SAM-371_00513915)
	DX-0559				http://mipi.org/about-mipi/frequently-asked-questions (SAM-371_00513916 - SAM-371_00513937)
	DX-0560				mipi.org join-mipi membership-model (SAM-371_00513938 - SAM-371_00513940)
	DX-0561				mipi.org specifications camera-interface (SAM-371_00513941 - SAM-371_00513945)
	DX-0562				mipi.org specifications physical-layer (SAM-371_00513946 - SAM-371_00513949)
	DX-0563				http://mipi.org/specifications (SAM-371_00513950 - SAM-371_00513952)
	DX-0564				mipi.org working-groups camera (SAM-371_00513953 - SAM-371_00513955)

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	DX-0565				http://mipi.org/working-groups (SAM-371_00513956 - SAM-371_00513958)
	DX-0566				2000-06-12 - Photobit Ships Its One Millionth CMOS Image Sensor (Business Wire) (SAM-371_00513959 - SAM-371-00513960)
	DX-0567				1995-04-10 - Article entitled "128x128 CMOS Photodiode-Type Active Pixel Sensor With On-Chip Timing, Control And Signal Chain Electronics" by R.H. Nixon, S.E. Kemeny and E.R. Fossum - SPIE Volume 2415/123 (available at ericfossum.com) (SAM-371_00513961 - SAM-371_00513967)
	DX-0568				1994-06-09 - Article entitled “Developments of CMOS Active Pixel Image Sensors For Low Cost Commercial Applications” (available at ericfossum.com) (SAM-371_00513968 - SAM-371_00513969)
	DX-0569				1993 - Article entitled “Clinton Team Gives SDI New Name and Mission” CQ Almanac (SAM-371_00513970 - SAM-371_00513973)
	DX-0570				http://mipi.org/about-mipi/board-directors-and-officers (SAM-371_00513974 - SAM-371_00513975)
	DX-0571				1992 - Article entitled “Scaled-Down Strategic Defense Initiative (SDI) Survives Its Critics” CQ Almanac (SAM-371_00513976 - SAM-371_00513981)
	DX-0572				1970 - Book entitled "Electronic Flash Strobe" by Harold E. Edgerton pp. 24-27 (SAM-371_00516749 - SAM-371_00516752)
	DX-0573				http://mipi.org/momentum (SAM-371_00516753 - SAM-371_00516755)
	DX-0574				2015-09-28- History of U.S. Missile Defense Efforts 1945- Present (U.S. Department of Defense) http://www.mda.mil/news/history_resources.html (SAM-371_00516756 - SAM-371_00516757)

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	DX-0575				1999-08-01 - "A Dissertation Submitted to the Department of Electrical of Electrical Engineering and the Committee on Graduate Studies of Stanford University in Partial Fulfillment of the Requirements for the degree of Doctor of Philosophy" by David Xiao Dong Yang http://wwwisl.stanford.edu/~abbas/group/papers_and_pub/dave_thesis (SAM-371_00516758 - SAM-371_00516918)
	DX-0576				2011-08-23 - Article entitled "Why MIPI is going to Revolutionize the Way You Design" by Prakash Kamath (Arasan Chip Systems) http://www.chipestimate.com/techtalk.php?d=2011-08-23 (SAM-371_00516919 - SAM-371_00516922)
	DX-0577				2014-04-30 - ChipEx 2014 Presentation entitled "Latest Developments in MIPI Specifications" by Loav Lavi VLSI Plus Ltd. (SAM-371_00516923 - SAM-371_00516947)
	DX-0578				2011-07-01 - New York Times article "Apple and Microsoft Beat Google for Nortel Patents" by Chris V. Nicholson (SAM-371_00516948 - SAM-371_00516950)
	DX-0579				2012-06-00 - Article entitled "Lifetime Estimation of High-Power White LED Using Degradation-Data-Driven Method" by Jiajie Fan, Kam-Chuen Yung and Michael Pecht (IEEE Transactions on Device and Materials Reliability Vol. 12 No. 2) (SAM-371_00516951 - SAM-371_00516958)
	DX-0580				2015-06-01 - Qualcomm Data Sheet Snapdragon 600 processor APQ8064 (Revision A) (SAM-371_00516983 - SAM-371_00517148)
	DX-0581				1997 - The American Heritage College Dictionary definition of "strobe" and "strobe lamp" page 1346 (SAM-371_00517149 - SAM-371_00517151)
	DX-0582				1997-10-28 - Mizukoshi U. S. Patent 5,682,562 entitled "Digitally Controlled Quench Flash Circuit" (SAM-371_00517152 - SAM-371_00517167)
	DX-0583				1994 - McGraw-Hill Dictionary of Scientific and Technical Terms Fifth Edition definition of "circuit" (SAM-371_00517168 - SAM-371_00517171)

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	<u>DX-0584</u>				1997-10-09 - File History to Sears U.S. Patent Application No. 08/930,156 entitled "Tactiley-Guided, Voice-Output Reading Apparatus" (parent application of Sears U.S. Patent No. 6,115,482) (SAM-371-00099741 - SAM-371_00099871)
	DX-0585*				Samsung Source Code (SAM-371-SC_00182 - SAM-371-SC_00193)
	DX-0586*				Samsung Source Code (SAM-371-SC_00211 - SAM-371-SC_00219)
	DX-0587*				Samsung Source Code (SAM-371-SC_00220 - SAM-371-SC_00235)
	DX-0588*				Samsung Source Code (SAM-371-SC_00236 - SAM-371-SC_00244)
	DX-0589*				Samsung Source Code (SAM-371-SC_00266 - SAM-371-SC_000277)
	DX-0590*				Samsung Source Code (SAM-371-SC_00342 - SAM-371-SC_00354)
	DX-0591*				Samsung Source Code (SAM-371-SC_00365 - SAM-371-SC_00372)
	DX-0592*				Samsung Source Code (SAM-371-SC_00387 - SAM-371-SC_00399)
	DX-0593*				Samsung Source Code (SAM-371-SC_00416 - SAM-371-SC_00423)
	DX-0594*				Samsung Source Code (SAM-371-SC_00424 - SAM-371-SC_00435)
	DX-0595*				Samsung Source Code (SAM-371-SC_00457 - SAM-371-SC_00465)
	DX-0596*				Samsung Source Code (SAM-371-SC_00467 - SAM-371-SC_00480)
	DX-0597*				Samsung Source Code (SAM-371-SC_00481 - SAM-371-SC_00488)
	DX-0598*				Samsung Source Code (SAM-371-SC_00489 - SAM-371-SC_00500)
	DX-0599*				Samsung Source Code (SAM-371-SC_00529 - SAM-371-SC_00536)
	DX-0600*				Samsung Source Code (SAM-371-SC_00537 - SAM-371-SC_00548)
	DX-0601*				Samsung Source Code (SAM-371-SC_00577 - SAM-371-SC_00592)
	DX-0602*				Samsung Source Code (SAM-371-SC_00593 - SAM-371-SC_00608)
	DX-0603*				Samsung Source Code (SAM-371-SC_00609 - SAM-371-SC_00624)
	DX-0604*				Samsung Source Code (SAM-371-SC_00625 - SAM-371-SC_00636)
	DX-0605*				Samsung Source Code (SAM-371-SC_00658 - SAM-371-SC_00666)
	DX-0606*				Samsung Source Code (SAM-371-SC_00667 - SAM-371-SC_00682)
	DX-0607*				Samsung Source Code (SAM-371-SC_00683 - SAM-371-SC_00694)
	DX-0608*				Samsung Source Code (SAM-371-SC_00695 - SAM-371-SC_00003)
	DX-0609*				Samsung Source Code (SAM-371-SC_00174 - SAM-371-SC_00181)
	DX-0610*				Samsung Source Code (SAM-371-SC_01850 - SAM-371-SC_02056)
	DX-0611*				Samsung Source Code (SAM-371-SC_02057 - SAM-371-SC_02121)
	DX-0612*				Samsung Source Code (SAM-371-SC_02122 - SAM-371-SC_02175)

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	DX-0613*				Samsung Source Code (SAM-371-SC_03115 - SAM-371-SC_03146)
	DX-0614*				Samsung Source Code (SAM-371-SC_03147 - SAM-371-SC_03178)
	DX-0615*				Samsung Source Code (SAM-371-SC_03179 - SAM-371-SC_03189)
	DX-0616*				Samsung Source Code (SAM-371-SC_03190 - SAM-371-SC_03200)
	DX-0617*				Samsung Source Code (SAM-371-SC_03225 - SAM-371-SC_03256)
	DX-0618*				Samsung Source Code (SAM-371-SC_03274 - SAM-371-SC_03305)
	DX-0619*				Samsung Source Code (SAM-371-SC_03350 - SAM-371-SC_03381)
	DX-0620*				Samsung Source Code (SAM-371-SC_03201 - SAM-371-SC_03224)
	DX-0621*				Samsung Source Code (SAM-371-SC_03732 - SAM-371-SC_03748)
	DX-0622*				Samsung Source Code (SAM-371-SC_03749 - SAM-371-SC_03753)
	DX-0623*				Samsung Source Code (SAM-371-SC_04366 - SAM-371-SC_04369)
	DX-0624*				Samsung Source Code (SAM-371-SC_04370 - SAM-371-SC_04373)
	DX-0625*				Samsung Source Code (SAM-371-SC_04374 - SAM-371-SC_04377)
	DX-0626*				Samsung Source Code (SAM-371-SC_04378 - SAM-371-SC_04382)
	DX-0627*				Samsung Source Code (SAM-371-SC_04383 - SAM-371-SC_04386)
	DX-0628*				Samsung Source Code (SAM-371-SC_04387 - SAM-371-SC_04390)
	DX-0629*				Samsung Source Code (SAM-371-SC_04391 - SAM-371-SC_04394)
	DX-0630*				Samsung Source Code (SAM-371-SC_04399 - SAM-371-SC_04402)
	DX-0631*				Samsung Source Code (SAM-371-SC_04403 - SAM-371-SC_04403)
	DX-0632				Exhibit Number Not Used
	DX-0633				2014-12-22 - Samsung document entitled "Flash Algorithm" (TRANS_SAM-371_00006951 - TRANS_SAM-371_00006983)
	DX-0634				2008-03-17 - Samsung Techwin document entitled "STW Strobe Algorithm" Version 1.0 (TRANS_SAM-371_00200100 - TRANS_SAM-371_00200117)
	DX-0635				Exhibit Number Not Used
	DX-0636				Exhibit Number Not Used
	DX-0637				Exhibit Number Not Used
	DX-0638				09/28/2015 - Rebuttal Expert Report of R. Jacob Baker Regarding Non-Infringement of U.S. Patent No. 6,836,290
	DX-0639				Curriculum Vitae of R. Jacob Baker (Tab A to Baker Rebuttal Expert Report)

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	DX-0640				Materials Considered List (Tab B to Baker Rebuttal Expert Report)
	DX-0641				Exhibit Number Not Used
	DX-0642				09/28/2015 - Invalidity Expert Report of Dean P. Neikirk, PH.D. Regarding U.S. Patent No. 6,271,884
	DX-0643				Curriculum Vitae of Dean P. Neikirk, PH.D. (Appendix A to Baker Rebuttal Expert Report)
	DX-0644				List of Dean P. Neikirk cases with testimony as an expert (at trial or by deposition) last five years as of 4/08/2015 - Appendix B to Neikirk Expert Report on Invalidity
	DX-0645				Declaration of Dean P. Neikirk in Support of Petition For Inter Parties Review of U.S. Patent 6,271,884 (Appendix C to Neikirk Expert Report on Invalidity)
	DX-0646				Materials Considered List (Appendix D to Neikirk Expert Report on Invalidity)
	DX-0647				2015-09-09 - Appendix E Chart - ASSERTED CLAIMS 1-5 AND 14 OF U.S. PATENT NO. 6,271,884 ARE ANTICIPATED BY U.S. PATENT NO. 6,567,123 (“HASHIMOTO”); ASSERTED CLAIMS 5-6 AND 17-19 OF U.S. PATENT NO. 6,271,884 ARE OBVIOUS IN VIEW OF HASHIMOTO OVER CERTAIN IMAGE AND DISPLAY RELATED STANDARDS, KOBAYASHI, KINUGAWA, INUIYA, NISHIYAMA AND/OR HATA
	DX-0648				2015-09-09 - Appendix F Chart - ASSERTED CLAIMS 1-6, AND 14 OF U.S. PATENT NO. 6,271,884 ARE ANTICIPATED BY U.S. PATENT NO. 5,966,173 (“INUIYA”); ASSERTED CLAIMS 6 AND 17-19 OF U.S. PATENT NO. 6,271,884 ARE OBVIOUS IN VIEW OF INUIYA OVER KINUGAWA, HASHIMOTO AND/OR OSTER
	DX-0649				2015-09-09 - Appendix G Chart - ASSERTED CLAIMS 1-6, 14 AND 17-19 OF U.S. PATENT NO. 6,271,884 ARE ANTICIPATED BY JP1999-155107 (“HATA”)

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	<u>DX-0650</u>				2015-09-09 - Appendix H Chart - ASSERTED CLAIMS 1-5, 14 AND 17 OF U.S. PATENT NO. 6,271,884 ARE ANTICIPATED BY U.S. PAT. NO. 7,289,145 (“JOHNSON”) ASSERTED CLAIM 6 OF U.S. PATENT NO. 6,271,884 IS OBVIOUS IN VIEW OF JOHNSON OVER OSTER
	<u>DX-0651</u>				2015-09-28 - Rebuttal Expert Report of Dr. Dean P. Neikirk PH.D. Regarding Noninfringement of U.S. Patent 6,271,884
	<u>DX-0652</u>				2015-09-28 - Materials Considered List - Appendix A to Dean Neikirk Rebuttal Expert Report on Noninfringement
	<u>DX-0653</u>				2015-12-22 Dean Neikirk Supplemental Expert Report
	<u>DX-0654</u>				2015-09-09 - Appendix 1 Chart - Asserted Claims 1, 6, 7, 14, and 16 of U.S. Patent No. 7,092,029 Are Invalid Under 35 U.S.C § 102 In View of Japanese Patent Appl. No. H11-119288 (“Shimada”) and/or Obvious under 35 U.S.C. § 103 in View of Shimada In Further View of the Knowledge of a POSITA
	<u>DX-0655</u>				2015-09-09 - Appendix 2 Chart - Asserted Claim 14 of U.S. Patent No. 7,092,029 Is Invalid Under 35 U.S.C § 102 in View of Japanese Patent Appl. No. H01-289925 (“Nakajima”) and/or Obvious Under 35 U.S.C. § 103 in View of Nakajima In Further View of the Knowledge of a POSITA; and Asserted Claims 1, 6, 7, and 14 are Obvious Under 35 U.S.C. § 103 in View of Nakajima in Further View of the Knowledge of a POSITA
	<u>DX-0656</u>				2015-09-09 - Appendix 3 Chart - Asserted Claims 1, 6, 7, 14, and 16 of U.S. Patent No. 7,092,029 Are Invalid Under 35 U.S.C § 103 Under Japanese Patent Appl. No. H11-119288 (“Shimada”) in View of U.S. Patent No. 6,195,127 (“Sugimoto”), U.S. Patent No. 6,426,775 (“Kurokawa”) and in Further View of the Knowledge of a POSITA
	<u>DX-0657</u>				2015-09-09 - Appendix 4 Chart - Asserted Claims 1, 6, 7, 14, and 16 of U.S. Patent No. 7,092,029 Are Invalid Under 35 U.S.C § 103 Under U.S. Patent No. 6,195,127 (“Sugimoto”) In View of JP H11-119288 (“Shimada”), and/or U.S. Patent No. 6,426,775 (“Kurokawa”), and/or JP H01-289925 (“Nakajima”), and In Further View of the Knowledge of a POSITA

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	DX-0658				2015-09-09 - Appendix 5 Chart - Asserted Claims 1, 6, 7, 14, and 16 of U.S. Patent No. 7,092,029 Are Invalid Under 35 U.S.C § 103 Under the Nikon Digital Through-The-Lens (D-TTL) Autofocus Speedlight Auto Flash Control System in View of Japanese Patent Appl. No. H11-119288 (“Shimada”), U.S. Patent No. 6,195,127 (“Sugimoto”), in Further View of the Knowledge of a POSITA
	DX-0659				2015-09-09 - Appendix 6 Chart - Asserted Claims 1, 6, 7, 14, and 16 of U.S. Patent No. 7,092,029 Are Invalid Under 35 U.S.C § 103 Under the Nikon Through-The-Lens (TTL) Autofocus Speedlight Auto Flash Control System in View of Japanese Patent Appl. No. H11-119288 (“Shimada”), and/or U.S. Patent No. 6,195,127 (“Sugimoto”), in Further View of the Knowledge of a POSITA
	DX-0660				2015-09-09 - Appendix 7 Chart - Asserted Claims 1, 6, 7, 14, and 16 of U.S. Patent No. 7,092,029 Are Invalid Under 35 U.S.C. § 103 Under the Canon Evaluative-Through-The-Lens (E-TTL) Auto Flash System in View of U.S. Patent No. 6,195,127 (“Sugimoto”), JP H11-119288 (“Shimada”), and in Further View of the Knowledge of a POSITA
	DX-0661				2015-09-09 - Appendix 8 Chart - Asserted Claims 1, 6, 7, 14, and 16 of U.S. Patent No. 7,092,029 Are Invalid Under 35 U.S.C § 103 Under the Minolta Camera System In View of Japanese Patent Appl. No. H11-119288 (“Shimada”), and/or U.S. Patent No. 6,195,127 (“Sugimoto”), in Further View of the Knowledge of a POSITA
	DX-0662				Curriculum Vitae of Kenneth Parulski (Appendix A to Parulski Expert Report on Invalidity)
	DX-0663				List of Kenneth Parulski trial testimony, depositions, and IPR declarations (since January 2008) - Appendix B to Parulski Expert Report on Invalidity
	DX-0664				List of Materials Considered by Kenneth Parulski (Appendix C to Parulski Expert Report on Invalidity)

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	<u>DX-0665</u>				Petition For Inter Parties Review of U.S. Patent 7,092,029 (Appendix D to Parulski Expert Report on Invalidity)
	<u>DX-0666</u>				Declaration of Kenneth Parulski in Support of Petition For Inter Parties Review of U.S. Patent 7,092,029 (Appendix E to Parulski Expert Report on Invalidity)
	<u>DX-0667</u>				Exhibit Number Not Used
	DX-0668*				Appendix C to the Rebuttal Expert Report of Kenneth Parulski Regarding U.S. Patent No. 7,092,029 (INCLUDES CONFIDENTIAL SOURCE CODE)
	<u>DX-0669</u>				Exhibit Number Not Used
	<u>DX-0670</u>				2015- 09-28 - Kenneth Parulski Rebuttal Expert Report -Appendix A - List of Materials Considered
	<u>DX-0671</u>				2015-07-20 - Attachment A to Samsung's July 20, 2015 Supplemental Responses and Objections to Imperium's First Set of Interrogatories (Numbers 1-11)
	<u>DX-0672</u>				2015-12-22 Ken Parulski Supplemental Expert Report
	<u>DX-0673</u>				ESS Technology Provides Samsung with 1.3 Megapixels Camera Modules (IIPH_SAM00013894 - IIPH_SAM00013896)
	<u>DX-0674</u>				Exhibit Number Not Used
	<u>DX-0675</u>				Exhibit Number Not Used
	<u>DX-0676</u>				2006-03-16 ESS Technology 10-K (IIPH_SAM00371573 - IIPH_SAM00371675)
	<u>DX-0677</u>				2002-03-27 Collection of Patent Assignment Documents (IIPH_SAM00371906 - IIPH_SAM00372107)
	<u>DX-0678</u>				2009-01-22 Alicia Moore Exhibit 11 (12/5/2012) Email: FW ESS patent Information (IIPH_SAM00374821 - IIPH_SAM00374863)
	<u>DX-0679</u>				2012-11-20 John Michaelson Exhibit 1 (11/20/2012) Exhibit B, Corporate Structure (IIPH_SAM00376235 - IIPH_SAM00376235)
	<u>DX-0680</u>				2015-03-09 Galaxy S3 Specifications (SAM-371_00001037 - SAM-371_00001045)

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	<u>DX-0681</u>				2015-03-06 Galaxy S5 Specifications - Exhibit N to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed (SAM-371_00002120 - SAM-371_00002128)
	<u>DX-0682</u>				Samsung ATIV Book9 Lite Specifications (SAM-371_00002760 - SAM-371_00002761)
	<u>DX-0683</u>				Samsung Notebook Series 7 Specifications (SAM-371_00002772 - SAM-371_00002773)
	<u>DX-0684</u>				Samsung Notebook Series 3 Specifications (SAM-371_00002780 - SAM-371_00002781)
	<u>DX-0685</u>				Samsung Notebook Series 5 Ultra Specifications (SAM-371_00002803 - SAM-371_00002804)
	<u>DX-0686</u>				Samsung Notebook Series 7 Specifications (SAM-371_00002845 - SAM-371_00002846)
	<u>DX-0687</u>				Samsung Notebook Series 9 Specifications (SAM-371_00002853 - SAM-371_00002854)
	<u>DX-0688</u>				Samsung Notebook Series 9 Premium Ultrabook Specifications (SAM-371_00002869 - SAM-371_00002870)
	<u>DX-0689</u>				2014-00-02 Datasheet: S5K8B1YX 1/7.3" 2M CMOS Image Sensor Rev. 1.10 (SAM-371_00006503 - SAM-371_00006573)
	<u>DX-0690</u>				2014-00-02 Datasheet: S5K8B1YX 1/7.3" 2M CMOS Image Sensor Rev. 1.10 (SAM-371_00009508 - SAM-371_00009511)
	<u>DX-0691</u>				2013 Samsung NX2000 Service Manual (SAM-371_00013504 - SAM-371_00013592)
	<u>DX-0692</u>				2014 Samsung NX30 Service Manual (SAM-371_00013775 - SAM-371_00013891)
	<u>DX-0693</u>				2013 Samsung NX300 Service Manual (SAM-371_00013994 - SAM-371_00014095)
	<u>DX-0694</u>				2013 Samsung NX300 Service Manual (SAM-371_00024975 - SAM-371_00024979)
	<u>DX-0695</u>				2012-06-00 GT-I9300 User Manual (SAM-371_00045992 - SAM-371_00046172)

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	DX-0696				Samsung Galaxy S5 User Manual (SAM-371_00046662 - SAM-371_00046861)
	DX-0697				NX30 User Manual (SAM-371_00053351 - SAM-371_00053569)
	DX-0698				WB150F/WB151F/WB152F User Manual (SAM-371_00060990 - SAM-371_00061149)
	DX-0699				2007 Forecast: Mobile Phone Production and Semiconductor Market, Worldwide, 2004-2011 (3Q07 Update) (native) (SAM-371_00181925 - SAM-371_00181925)
	DX-0700				2007 Market Analysis Worldwide Camera Phone and Videophone 2007-2011 Forecast by Christopher Chute and Chris Hazeton (SAM-371_00181930 - SAM-371_00181948)
	DX-0701				2008 -07 Market Analysis Worldwide Converged Mobile Device 2008-2012 Forecast: June 2008 by Shiv Bakhshi and Ramon Llamas (SAM-371_00189919 - SAM-371_00189939)
	DX-0702				2008-07 Market Analysis Worldwide Worldwide PC Market 1Q08 Review (SAM-371_00190048 - SAM-371_00190072)
	DX-0703				2011-01-29 CMHS (color map hue saturation) (foreign language) (SAM-371_00376765 - SAM-371_00376771)
	DX-0704				2007-05-10 Gartner Dataquest Insight: Semiconductor Vendor Performance, 2006 (SAM-371_00396967 - SAM-371_00397020)
	DX-0705				2008-07 Forecast Update: Worldwide Mobile Phone 2008-2012 Forecast Update: June 2008 by Shiv Bakhshi and Ramon Llamas (SAM-371_00414087 - SAM-371_00414107)
	DX-0706				2007-07-16 Gartner Research: Hype Cycle for Semiconductors, 2007 (SAM-371_00414458 - SAM-371_00414483)
	DX-0707				2007-07-17 Gartner Research: Hype Cycle for the Telecommunications Industry, 2007 (SAM-371_00414521 - SAM-371_00414560)
	DX-0708				2007-06-29 Gartner Research: Hype Cycle for Wireless Devices, Software and Services, 2007 (SAM-371_00414602 - SAM-371_00414640)

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	<u>DX-0709</u>				2007-08-10 Gartner Research: Report Highlight for Dataquest Insight: Semiconductor Forecast Assumptions, Worldwide, 2005-2010 (2Q07 Update) (SAM-371_00414679 - SAM-371_00414681)
	<u>DX-0710</u>				Sony Datasheet: IMX240-0AQH5-S (SAM-371_00435369 - SAM-371_00435415)
	<u>DX-0711</u>				2013-07 Datasheet: S5K73C1X 16Mp 16:9 Companion Chip Rev. 0.02 (SAM-371_00436108 - SAM-371_00436171)
	<u>DX-0712</u>				2011-08 Data Sheet: S5C73M3X 8Mp Image Signal Processor Rev 0.11 (SAM-371_00436172 - SAM-371_00436278)
	<u>DX-0713</u>				Series 7 All-In-One PC (SAM-371_00438317 - SAM-371_00438318)
	<u>DX-0714</u>				Samsung ATIV Book9 Plus Specifications (SAM-371_00438416 - SAM-371_00438417)
	<u>DX-0715</u>				Samsung ATIV Book9 Lite Specifications (SAM-371_00438422 - SAM-371_00438423)
	<u>DX-0716</u>				Samsung ATIV Book 9 Specs (SAM-371_00438429 - SAM-371_00438430)
	<u>DX-0717</u>				Samsung ATIV Book9 Plus Specifications (SAM-371_00438545 - SAM-371_00438546)
	<u>DX-0718</u>				General Software License Agreement between Scalado and Samsung (SAM-371_00439170 - SAM-371_00439190)
	<u>DX-0719</u>				2011-11-02 Fujitsu, MBG046 SIP Hardware Specification, Rev 3.0E (SAM-371_00439211 - SAM-371_00439267)
	<u>DX-0720</u>				Presentation: Industry Snapshot, Cameras/Camcorders and Executive Summary & Recommendation (SAM-371_00445484 - SAM-371_00445575)
	<u>DX-0721</u>				2010-09 Samsung Camera Consumer Understanding Best Buy (SAM-371_00445667 - SAM-371_00445702)
	<u>DX-0722</u>				2010-12 Presentation: Mobile PC Segmentation, NAHQ Market Intelligence (SAM-371_00445807 - SAM-371_00445914)
	<u>DX-0723</u>				2010-09 Presentation: Samsung Camera Consumer Understanding Best Buy (SAM-371_00445927 - SAM-371_00445962)

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	DX-0724				2012-06-04 Presentation: Samsung Digital Imaging Shopper Facts, NAHQ - Market Intelligence (SAM-371_00446702 - SAM-371_00446816)
	DX-0725				2012-06-04 Presentation: Samsung Digital Imaging Shopper Facts, NAHQ - Market Intelligence (SAM-371_00446922 - SAM-371_00447039)
	DX-0726				2010-12 Presentation: Mobile PC Segmentation, NAHQ Market Intelligence (SAM-371_00447399 - SAM-371_00447506)
	DX-0727				2011-04 InfoTrends 2011 Mobile Imaging Study Top-line Summary Charts (SAM-371_00447667 - SAM-371_00447780)
	DX-0728				Presentation: CSBS NPC Market Research Report, Market Intelligence (SAM-371_00448268 - SAM-371_00448357)
	DX-0729				Presentation: Digital Imaging 2013 Project, NAHQ Market Intelligence (SAM-371_00448385 - SAM-371_00448402)
	DX-0730				Presentation: Digital Imaging 2013 Project, NAHQ Market Intelligence (SAM-371_00448493 - SAM-371_00448502)
	DX-0731				2012-04 Presentation: NX200 Compact System Camera Owner Qualitative Research Study, NAHQ - Market Intelligence (SAM-371_00448904 - SAM-371_00448922)
	DX-0732				2013-07 Insights, Consumer & Professional Imaging, Key Consumer Photo Capture Metrics (SAM-371_00449457 - SAM-371_00449460)
	DX-0733				Presentation: CSBS NPC Market Research Report, Market Intelligence (SAM-371_00449535 - SAM-371_00449648)
	DX-0734				2012-11-16 Galaxy Camera, Internal User Product Experience Evaluation, STA Product & Experience Planning (SAM-371_00449803 - SAM-371_00449838)
	DX-0735				2011-11 Presentation: Digital Imaging - U&A Follow-Up Analytics, NAHQ Intelligence (SAM-371_00450264 - SAM-371_00450266)
	DX-0736				Presentation: Why Wireless, NAHW - Market Intelligence (SAM-371_00451039 - SAM-371_00451041)
	DX-0737				Samsung ATIV Book 9/Book 9 Plus Specifications (SAM-371_00452027 - SAM-371_00452028)
	DX-0738				Presentation: Consumer Shopping Behavior Study TNS Research Report for Notebook PC (SAM-371_00452369 - SAM-371_00452400)

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	DX-0739				Samsung ATIV Book 9/Book 9 Plus Specifications (SAM-371_00453691 - SAM-371_00453692)
	DX-0740				2011-12 Presentation: Computers Online Anthropology, NAHQ Market Intelligence (SAM-371_00453938 - SAM-371_00454047)
	DX-0741				2015-02 Presentation: Tablet Unmet Needs - New Buyers, Consumer & Market Intelligence (SAM-371_00455113 - SAM-371_00455130)
	DX-0742				2015-02 Presentation: Tablet Unmet Needs, Consumer & Market Intelligence (SAM-371_00455157 - SAM-371_00455207)
	DX-0743				2014-04 Presentation: Tablet Competitive Ownership Study (SAM-371_00455372 - SAM-371_00455394)
	DX-0744				Presentation: Tablets Recommendation, NAHQ Market Intelligence (SAM-371_00455532 - SAM-371_00455535)
	DX-0745				Presentation: Consumer Satisfaction Survey, NAHQ - Market Intelligence (SAM-371_00455692 - SAM-371_00455703)
	DX-0746				Presentation: Slides on Video, NAHQ - Market Intelligence (SAM-371_00456610 - SAM-371_00456618)
	DX-0747				2012-10 Presentation: Tablet Anthropology First Half 2012, NAHQ - Market Intelligence (SAM-371_00457460 - SAM-371_00457495)
	DX-0748				2012-10 Presentation: Tablet Anthropology First Half 2012, NAHQ - Market Intelligence (SAM-371_00457532 - SAM-371_00457567)
	DX-0749				Presentation: Tablet Anthropology Follow Up Feature Discussion by Brand and OS, NAHQ - Market Intelligence (SAM-371_00458301 - SAM-371_00458304)
	DX-0750				Presentation: Best Buy Note 10.1 Returns Analysis, NAHQ - Market Intelligence (SAM-371_00458456 - SAM-371_00458475)
	DX-0751				Presentation: Tablets Recommendation, NAHQ Market Intelligence (SAM-371_00460773 - SAM-371_00460776)
	DX-0752				2013-10-18 SEA-PC Weekly Report Week 42 (SAM-371_00461169 - SAM-371_00461173)
	DX-0753				2014-03-14 SEA-PC Weekly Report Week 11 (SAM-371_00461361 - SAM-371_00461365)

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	<u>DX-0754</u>				2013-04-29 Presentation: SEA PC Workshop, PC Marketing (SAM-371_00461467 - SAM-371_00461518)
	<u>DX-0755</u>				2014-05 Presentation: 2014 Samsung Mobile PC Presentation (SAM-371_00461827 - SAM-371_00461861)
	<u>DX-0756</u>				2014-08 Presentation: Samsung Mobility Product Overview (SAM-371_00461903 - SAM-371_00461912)
	<u>DX-0757</u>				2013-07-15 SEA-Mobile Computing Full Executive Report, Week 28 (SAM-371_00462123 - SAM-371_00462126)
	<u>DX-0758</u>				2013-01-25 Presentation: SEA DI Biz Update (SAM-371_00462198 - SAM-371_00462238)
	<u>DX-0759</u>				NX2000 Product Offering Guide, GPM Group Digital Imaging (SAM-371_00463114 - SAM-371_00463155)
	<u>DX-0760</u>				Presentation: Galaxy NX (SAM-371_00463287 - SAM-371_00463314)
	<u>DX-0761</u>				2014-05 2014 Tablet Satisfaction Study Volume 1, Management Report (SAM-371_00464624 - SAM-371_00464729)
	<u>DX-0762</u>				Presentation: Galaxy Camera (SAM-371_00468064 - SAM-371_00468110)
	<u>DX-0763</u>				2013-09 Presentation: 2014 DI Product Line-up, Digital Imaging Business (SAM-371_00468784 - SAM-371_00468869)
	<u>DX-0764</u>				2013-12 Presentation: 2014 DI Product Line-up, Digital Imaging Division, Product Marketing (SAM-371_00468975 - SAM-371_00469006)
	<u>DX-0765</u>				2014 Presentation: DI Product Line-up, Digital Imaging Division, Product Marketing, CES 2014 (SAM-371_00469285 - SAM-371_00469312)
	<u>DX-0766</u>				2013-12 2014 Presentation: Line-up Strategy & Direction, Product Planning (SAM-371_00470234 - SAM-371_00470276)
	<u>DX-0767</u>				2015-01-05 - 2015-02-08 Cycle 1 FST Playbook, Health & Wellness (SAM-371_00481618 - SAM-371_00481629)
	<u>DX-0768</u>				2014-10-20 - 2014-11-16 FST Playbook, Samsung Galaxy Note 4, Samsung Galaxy Note Edge Launch (SAM-371_00481630 - SAM-371_00481637)
	<u>DX-0769</u>				2014-11-17 - 2014-12-14 FST Playbook (SAM-371_00481638 - SAM-371_00481645)

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	DX-0770				2015-02-09 - 2015-03-08 Cycle 2 FST Playbook, Samsung Ecosystem (SAM-371_00481646 - SAM-371_00481657)
	DX-0771				Samsung Galaxy Note 4 and Galaxy Tab S FAQs (SAM-371_00481658 - SAM-371_00481659)
	DX-0772				2011-11 Datasheet: S5C73M3 (CML0801) 8Mp Image Signal Processor Rev. .91 (SAM-371_00511665 - SAM-371_00511949)
	DX-0773				2011-12-29 Moynihan, Tim, CMOS is Winning the Camera Sensor Battle, and Here's Why, TechHive, http://www.techhive.com/article/246931/cmos_is_winning_the_camera_sensor_battle_and_heres_why.html?page=0 . (SAM-371_00513982 - SAM-371_00513987)
	DX-0774				2013-05 Samsung Electronics on the Forbes World's Most Valuable Brands List, Forbes, http://www.forbes.com/companies/samsung-electronics . (SAM-371_00513988 - SAM-371_00513991)
	DX-0775				Exhibit Number Not Used
	DX-0776				Exhibit Number Not Used
	DX-0777				Exhibit Number Not Used
	DX-0778				2014-03-02 LensVid Exclusive: What Happened to the Photography Industry in 2013?, Lensvid, https://lensvid.com/gear/lensvid-exclusive-what-happened-to-the-photographyindustry-in-2013/ . (SAM-371_00514023 - SAM-371_00514024)
	DX-0779				2015-06-29 OmniVision Technologies, Inc. Form 10-K, 2015. (SAM-371_00514025 - SAM-371_00514173)
	DX-0780				2015-09-22 Schurman, Kyle, Introducing Samsung Cameras, About Tech, (n.d.), http://cameras.about.com/od/manufacturers/a/introducing_samsung.htm (SAM-371_00514174 - SAM-371_00514177)
	DX-0781				2008-08-10 Reisinger, Don, Opinion: Why Laptops Will Kick Desktop PCs to the Curb, Ars Technica, LLC, August 10, 2008, http://arstechnica.com/apple/2008/08/opinion-why-laptops-will-kickdesktop-pcs-to-the-curb/ . (SAM-371_00514178 - SAM-371_00514180)

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	DX-0783				2010 Royalty Rates for Pharmaceuticals & Biotechnology, 7th Edition, IPRA, Inc., 2010. (SAM-371_00514223 - SAM-371_00514582)
	DX-0784				Exhibit Number Not Used
	DX-0785				2015-06-23 Sony Kabushiki Kaisha Form 20-F, 2015. (SAM-371_00514594 - SAM-371_00514847)
	DX-0786				1889-03-18 Rude v. Westcott, 130 U.S. 152, 165 (1889). (SAM-371_00514848 - SAM-371_00514850)
	DX-0787				2013-02-22 Mobile Device Market to Reach 2.6 Billion Units by 2016, Canalys, http://www.canalys.com/newsroom/mobile-device-market-reach-26-billion-units-2016 . (SAM-371_00514851 - SAM-371_00514853)
	DX-0788				Exhibit Number Not Used
	DX-0789				2013-04-08 Stickler, Diana, Samsung: A Short History, San Jose Mercury News, http://www.mercurynews.com/ci_22979868/samsung-short-history . (SAM-371_00514884 - SAM-371_00514885)
	DX-0790				Exhibit Number Not Used
	DX-0791				Exhibit Number Not Used
	DX-0792				2015-09-18 Razgaitis, Richard, Chapter No. 9.3, Pricing the Intellectual Property of Early-Stage Technologies: A Primer of Basic Valuation Tools and Considerations, ipHandbook of Best Practices, http://www.iphandbook.org/handbook/ch09/p03/ . (SAM-371_00514961 - SAM-371_00514995)
	DX-0793				2011-04-01 OmniVision Doubles Size of Image Sensor Patent Portfolio, PR Newswire, http://www.prnewswire.com/news-releases/omnivision-doubles-size-of-image-sensorpatent-portfolio-119071889.html . (SAM-371_00514996 - SAM-371_00514997)
	DX-0794				Exhibit Number Not Used

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	DX-0797				2011-12-05 Brown, Bob, Naked Truth: Dell Streak Discontinued, Network World, http://www.networkworld.com/news/2011/120511-dell-streak-253760.html . (SAM-371_00515132 - SAM-371_00515134)
	DX-0798				Exhibit Number Not Used
	DX-0799				Exhibit Number Not Used
	DX-0800				Samsung's Beginnings, Samsung, (n.d.), http://www.samsung.com/us/aboutsamsung/corporateprofile/history06.html . (SAM-371_00515168 - SAM-371_00515171)
	DX-0801				Exhibit Number Not Used
	DX-0802				Exhibit Number Not Used
	DX-0803				2007-11-02 Trenholm, Rich, Photos: The History of the Digital Camera, CNET, http://www.cnet.com/news/photos-the-history-of-the-digital-camera/14/ (SAM-371_00515247 - SAM-371_00515269)
	DX-0804				2013-07-24 Wakabayashi, Daisuke, Canon Lowers Earnings Outlook as Digital-Camera Business Struggles, Wall Street Journal, http://www.wsj.com/articles/SB10001424127887323610704578625133951026090 . (SAM-371_00515270 - SAM-371_00515272)
	DX-0805				What is a CCD?, Spectral Instruments Inc., (n.d.), http://www.specinst.com/What_Is_A_CCD.html (SAM-371_00515273 - SAM-371_00515283)

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	DX-0808				2011 Varner, Thomas R., Empirical Data on "Comparable Licenses" in Patent Infringement Suits, Economists Incorporated, (n.d.), http://www.ei.com/vieweconink.php?id=292 (SAM-371_00515604 - SAM-371_00515605)
	DX-0809				2011-01-01 Elmer-DeWitt, Phillip, The Island of Misfit Tablets, Fortune, http://fortune.com/2011/01/01/the-island-of-misfit-tablets/ . (SAM-371_00515606 - SAM-371_00515608)
	DX-0810				2014-12-01 Worldwide Smartphone Growth Forecast to Slow from a Boil to a Simmer as Prices Drop and Markets Mature, According to IDC, International Data Corporation, idc.com , http://www.idc.com/getdoc.jsp?containerId=prUS25282214 (SAM-371_00515609 - SAM-371_00515611)
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	DX-0812				Exhibit Number Not Used
	DX-0813				2014-07-14 Wolpin, Stewart, How iPhone 6 Could Affect Camera Market, Digital Tech Consulting, Inc., http://www.dtcreports.com/weeklyriff/2014/07/14/how-iphone-6-couldaffect-camera-market/ . (SAM-371_00515630 - SAM-371_00515631)

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	<u>DX-0815</u>				Exhibit Number Not Used
	<u>DX-0816</u>				2013-08-21 Versace, Christopher, What Do Consumers Want in a New Smartphone?, Forbes, http://www.forbes.com/sites/chrisversace/2013/08/21/what-do-consumers-want-in-a-new-smartphone/ . (SAM-371_00515642 - SAM-371_00515644)
	<u>DX-0817</u>				2012-02-01 Thusu, Rajender, The Growing World of the Image Sensors Market, Sensors Online, http://www.sensorsmag.com/machine-vision/growing-world-image-sensorsmarket-9533 . (SAM-371_00515645 - SAM-371_00515651)
	<u>DX-0818</u>				2015-04-29 WSJ Report Shows Sony Rules 40% of the Image Sensor Market Share Thanks to Apple/Samsung Partnership, Imaging Resource, http://www.imagingresource.com/news/2015/04/29/report-shows-sony-rules-40-the-image-sensor-marketshare-thanks-to-partners (SAM-371_00515652 - SAM-371_00515654)
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	<u>DX-0895</u>				2009-03-12 Email: RE: Imperium IP Holdings/ESS patent portfolio (IIPH_SAM00366201 - IIPH_SAM00366202)
	<u>DX-0896</u>				2003-05-03 Imperium v. Apple Blair Exhibit 340 Letter to ESS Board of Directors re: Pictos Acquisition information (IIPH_SAM00366663 - IIPH_SAM00366712)
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	<u>DX-0899</u>				2011-01-28 License Agreement between Tessera Optiml and Samsung (SAM-371_00439086 - SAM-371_00439123)
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	<u>DX-0909</u>				The MIPI Membership Agreement (IIPH_SAM-00364564 - IIPH_SAM-00364584)
	<u>DX-0910</u>				Letter regarding Errata to Expert Report of M. Ray Perryman
	<u>DX-0911</u>				Correct Exhibit 3A: Cumulative Sensors Effective and Rates for the '884 Patent
	<u>DX-0912</u>				M. Ray Perryman, Ph.D., Curriculum Vitae
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	<u>DX-0929</u>				U.S. Patent No. 7,092,029
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	<u>DX-0937</u>				Samsung's July 9, 2015 Supplemental Responses and Objections to Imperium's First Set of Interrogatories, Nos. 1 to 11
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	<u>DX-0941</u>				List of Accused Cameras for '029 Patent
	<u>DX-0942</u>				List of Accused Cameras for '884 Patent
	<u>DX-0943</u>				Partial list of Samsung digital cameras at issue
	<u>DX-0944</u>				Exhibit Number Not Used
	<u>DX-0945</u>				Exhibit Number Not Used
	<u>DX-0946</u>				Galaxy S5 Spec Sheet (SAM-371_00002120 - SAM-371_00002128)
	<u>DX-0947</u>				Exhibit Number Not Used
	<u>DX-0948</u>				2015-11-03 - Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0949</u>				09-16-2015 - Excerpts from Deposition of Robert Blair - Exhibit B to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0950</u>				2015-09-09 - Excerpts from the Expert Report on Damages by Michele M. Riley - Exhibit C to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0951</u>				2015-09-18 - Excerpts from the Supplemental Expert Report on Damages by Michele M. Riley - Exhibit D to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0952</u>				2015-10-22 - Excerpts from Deposition (Rough) of Cameron Wright - Exhibit E to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0953</u>				2015-10-20 - Excerpts from Deposition of Michele Riley - Exhibit F to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0954</u>				2015-09-09 - Excerpts from the Expert Report of Cameron Wright Concerning Infringement By Samsung - Exhibit G to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0955</u>				2015-07-20 - Attachment A to Samsung's July 20, 2015 Supplemental Responses and Objections to Imperium's First Set of Interrogatories (Numbers 1-11)- Exhibit H to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed

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	<u>DX-0956</u>				2015-09-09 -Excerpted portions of Exhibits 5.1a–5.93a from the Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung - Exhibit I to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0957</u>				2015-09-18 - Exhibits 8, 8A–8D, 9, and 9A–9D from Supplemental Expert Report on Damages by Michele M. Riley - Exhibit J to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0958</u>				2015-10-23 - Excerpts from Deposition (Rough) of Cameron Wright - Exhibit K to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0959</u>				2015-09-09 - Excerpted portions of Exhibit 5.76a from the Expert Report of Cameron Wright Concerning Infringement By Samsung - Exhibit L to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0960</u>				WB800F Samsung Smart Camera Spec Sheet - Exhibit M to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed (SAM-371_00438345 - SAM-371_00438347)
	<u>DX-0961</u>				2012-10-16 Samsung Mobile-Sprint News Announcement for Galaxy SII - Exhibit O to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed (SAM-371_00000985 - SAM-371_00000987)
	<u>DX-0962</u>				WB350F Samsung Smart Camera Spec Sheet - Exhibit P to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed (SAM-371_00438295 - SAM-371_00438297)

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	<u>DX-0963</u>				2015-09-28 - Excerpted portions of Exhibits 4.6a–4.8a, 4.10a, 4.16a, and 4.25a from the Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung - Exhibit Q to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0964</u>				2015-09-09 - Excerpted portions of the Confidential Expert Report of Ray M. Perryman - Exhibit R to Declaration of Scott Taylor in Support of Samsung Motion for Partial Summary Judgment That the Accused Samsung-Sony Products Are Licensed
	<u>DX-0965</u>				2015-08-11 - Excerpts from the deposition of Vincent Capone - Exhibit 1 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time
	<u>DX-0966</u>				2015-12-04 - Chart titled “Claims 1 and 6 of U.S. Patent 7,092,029,” designated as “Confidential – Attorneys’ Eyes Only,” that comprises an analysis by Samsung’s counsel demonstrating reliance by Imperium and its technical expert, Dr. Cameron H.G. Wright, on the existence or functionality of Sony image sensors in certain Samsung products when attempting to demonstrate infringement of claims 1 and 6 of U.S. Patent No. 7,092,029 - Exhibit 2 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0967</u>				2015-12-04 - Chart titled “Claim 7 of U.S. Patent 7,092,029,” designated as “Confidential – Attorneys’ Eyes Only,” that comprises an analysis by Samsung’s counsel demonstrating reliance by Imperium and its technical expert, Dr. Cameron H.G. Wright, on the existence or functionality of Sony image sensors in certain Samsung products when attempting to demonstrate infringement of claim 7 of U.S. Patent No. 7,092,029 - Exhibit 3 to Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time
	<u>DX-0968</u>				2015-12-04 - Chart titled chart titled “Claims 14 and 16 of U.S. Patent 7,092,029,” designated as “Confidential – Attorneys’ Eyes Only,” that comprises an analysis by Samsung’s counsel demonstrating reliance by Imperium and its technical expert, Dr. Cameron H.G. Wright, on the existence or functionality of Sony image sensors in certain Samsung products when attempting to demonstrate infringement of claims 14 and 16 of U.S. Patent No. 7,092,029 - Exhibit 4 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time
	<u>DX-0969</u>				2015-09-09 - Excerpted pages from the Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung, dated September 9, 2015 (“9-9-15 Wright Report”); (2) excerpted pages from certain of Exhibits 5.1a–5.93a to the 9-9-15 Wright Report; and (3) excerpted pages from Exhibits 5.5a, 5.6a, 5.8a and 5.12a–5.14a to the Second Supplemental Expert Report of Cameron H.G. Wright Concerning Infringement By Samsung, dated October 13, 2015 - Exhibit 5 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time

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	<u>DX-0970</u>				2105-12-04 - Chart titled “Claims 1–6 of U.S. Patent 8,271,884,” designated as “Confidential – Attorneys’ Eyes Only,” that comprises an analysis by Samsung’s counsel demonstrating reliance by Imperium and its technical expert, Dr. Cameron H.G. Wright, on the existence or functionality of Sony image sensors in certain Samsung products when attempting to demonstrate infringement of claims 1–6 of U.S. Patent No. 8,271,884 - Exhibit 6 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time
	<u>DX-0971</u>				2105-12-04 - Chart titled “Claims 14 and 17–19 of U.S. Patent 8,271,884,” designated as “Confidential – Attorneys’ Eyes Only,” that comprises an analysis by Samsung’s counsel demonstrating reliance by Imperium and its technical expert, Dr. Cameron H.G. Wright, on the existence or functionality of Sony image sensors in certain Samsung products when attempting to demonstrate infringement of claims 14 and 17-19 of U.S. Patent No. 8,271,884 - Exhibit 7 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time

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	<u>DX-0972</u>				<p>2015-09-09 - Excerpted pages from the Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung, dated September 9, 2015 (“9-9-15 Wright Report”); (2) excerpted pages from the First Supplemental Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung, dated September 24, 2015 (“9-24-15 Wright Report”); (3) excerpted pages from the Second Supplemental Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung, dated October 13, 2015 (“10-13-15 Wright Report”); (4) excerpted pages from certain of Exhibits 4.1a–4.34b to the 9-9-15 Wright Report; (5) excerpted pages from Exhibits 4.7a, 4.8a, 4.10a and 4.16a to the 9-24-15 Wright Report; and (6) excerpted pages from Exhibits 4.7a, 4.8a, 4.10a and 4.16a to the 10-13-15 Wright Report - Exhibit 8 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time</p>
	<u>DX-0973</u>				<p>2015-12-04 - Chart titled “Damages for Asserted Samsung-Sony Products Claimed by Imperium Damages Expert Michele Riley,” designated as “Confidential – Attorneys’ Eyes Only,” that comprises an analysis by Samsung’s counsel of the total damages claimed by Imperium’s damages expert and the portion of damages related to Samsung-Sony Products - Exhibit 9 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time</p>
	<u>DX-0974</u>				<p>2015-10-22 - Excerpts from the deposition of Cameron Wright - Exhibit 10 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time</p>

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	DX-0975				2015-09-28 - Excerpts from the Expert Report of Cameron H.G. Wright Concerning Validity - Exhibit 11 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time
	DX-0976				2015-10-23- Excerpts from the deposition of Cameron Wright - Exhibit 12 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time
	DX-0977				2015-12-03 - Declaration of Kenneth Parulski Regarding Imperium's Reliance On Sony Image Sensors - Exhibit 13 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time
	DX-0978				2015-12-04 - Declaration of Dean P. Neikirk Regarding Imperium's Reliance On Sony Image Sensors - Exhibit 14 to Declaration of Scott Taylor in Support of Samsung Reply in Support of Samsung Motion for Leave to File Summary Judgment Motion Out of Time
	DX-0979				2015-11-03 - Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	DX-0980				2015-09-24 - Letter Samuel Brenner to Silvia Jordan - Tab C to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	DX-0981				2015-09-30 - Letter Samuel Brenner to William Sigler - Tab D to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	DX-0982				2015-01-26 - Appendix 2.6 from Plaintiff Imperium IP Holdings (Cayman), Ltd.'s Patent Rule 3-1 and 3-2 Disclosures, served on January 26, 2015 - Tab E to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	DX-0983				2015-05-28 - Email from Silvia Jordan to Samuel Brenner - Tab F to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time

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	<u>DX-0984</u>				2015-05-28 - Excerpted portions of Plaintiff Imperium IP Holdings (Cayman), Ltd.'s Amended Patent Rule 3-1 and 3-2 Disclosures, dated May 28, 2015 - Tab G to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0985</u>				2015-05-28 - Appendix 2.48 from Plaintiff Imperium IP Holdings (Cayman), Ltd.'s Amended Patent Rule 3-1 and 3-2 Disclosures, served on May 28, 2015 - Tab H to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0986</u>				2015-06-18 - Email from David Saunders to Samuel Brenner - Tab I to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0987</u>				2015-08-24 - '029 patent infringement claim chart for the Galaxy Note 5 sent by Plaintiff's counsel David Saunders to Defendants' counsel Samuel Brenner on August 24, 2015 - Tab J to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0988</u>				2015-03-12 - Excerpted portions of Defendants Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Samsung Semiconductor, Inc.'s Mandatory Disclosures, dated March 12, 2015 - Tab K to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0989</u>				2015-03-09 - Attachment A to Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Samsung Semiconductor, Inc.'s Responses and Objections to Plaintiff Imperium IP Holdings (Cayman), Ltd.'s First Set of Interrogatories, dated March 9, 2015 - Tab L to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-0990</u>				2015-07-20 - Attachment A to Samsung's July 20, 2015 Supplemental Responses and Objections to Imperium's First Set of Interrogatories (Numbers 1-11) - Tab M to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0991</u>				2015-11-03 - Collection of excerpted pages from subpoenas issued by Imperium to Qualcomm Incorporated, Texas Instruments Inc., Fujitsu Components America, Inc., Sharp Electronics Corporation, and Omnivision Technologies, all dated June 30, 2015 - Tab N to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0992</u>				2015-09-08 - Excerpted portions of Plaintiff Imperium IP Holdings (Cayman), Ltd.'s Fourth Supplemental and Amended Objections and Responses to Defendants' First Set of Interrogatories (Nos. 1-13) Tab O to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0993</u>				2015-09-04 - Excerpted portions of Plaintiff Imperium IP Holdings (Cayman), Ltd.'s First Supplemental Objections and Responses to Defendants' Second Set of Interrogatories (Nos. 14-20) - Tab P to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0994</u>				2015-09-09 - Excerpted portions of the Expert Report on Damages by Michele M. Riley, dated September 9, 2015 - Tab Q to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0995</u>				2015-09-09 - Excerpted portions of Exhibit 5.76a from the Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung, served on September 9, 2015 - Tab R to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time

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	<u>DX-0996</u>				2015-09-09 - Excerpted portions of Exhibits from the Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung, served on September 9, 2015 - Tab S to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0997</u>				2015-09-09 - Excerpted portions of Exhibit 4.10a from the Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung, served on September 9, 2015 - Tab T to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0998</u>				2015-09-09 - Excerpted portions of Exhibit 4.25a from the Expert Report of Cameron H.G. Wright Concerning Infringement by Samsung, served on September 9, 2015 - Tab U to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-0999</u>				2015-10-06 - Letter William Sigler to Samuel Brenner -Tab V to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-1000</u>				2015-09-20 - Excerpts from the deposition of Michele Riley - Tab W to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-1001</u>				2015-10-22 - Excerpts from Deposition (Rough) of Cameron Wright - Tab X to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time
	<u>DX-1002</u>				2015-09-18 - Exhibits 8, 8A–8C, 9, and 9A–9C from Supplemental Expert Report on Damages by Michele M. Riley, dated September 18, 2015- Tab Y to Declaration of Scott Taylor in Support of Samsung Motion for Leave to File A Summary Judgment Motion Out of Time

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Pltf No.	Def. No	Date Offered	Marked	Admitted	Description
	<u>DX-1003</u>				2015-04-13 - Chart entitled "Exhibit A Proposed Construction for U.S. Patent 6,271,884" to Joint Claim Construction and Prehearing Statement
	<u>DX-1004</u>				2015-04-13 - Chart entitled "Exhibit B Proposed Construction for U.S. Patent 6,271,836,290" to Joint Claim Construction and Prehearing Statement
	<u>DX-1005</u>				2015-04-13 - Chart entitled "Exhibit C Proposed Construction for U.S. Patent 7,092,029" to Joint Claim Construction and Prehearing Statement
	<u>DX-1006</u>				2015-05-11 - Declaration of Scott Taylor in Support of Samsung Responsive Claim Construction Brief
	<u>DX-1007</u>				2015-05-11 - Excerpt from the file history of United States Patent Application No. 09/062,343, comprising United States Patent Application No. 09/062,343 titled "CMOS Imaging Apparatus" and filed on April 17, 1998, now abandoned - Exhibit D to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief
	<u>DX-1008</u>				2015-05-11 - Excerpt from the Larousse Dictionary of Science and Technology (Peter Walker ed., Larousse, 1995) - Exhibit E to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief (SAM-371_00069394 - SAM-371_00069404)
	<u>DX-1009</u>				1994 - Excerpt from McGraw-Hill Dictionary of Scientific and Technical Terms (5th ed. 1994) - Exhibit F to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief (SAM-371_00069351 - SAM-371_00069361)
	<u>DX-1010</u>				1987 - Excerpt from The Random House Dictionary of the English Language (2d ed. 1987) - Exhibit H to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief
	<u>DX-1011</u>				1993 - Excerpt from The New IEEE Standard Dictionary of Electrical and Electronics Terms (5th ed. 1993) - Exhibit I to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief (SAM-371_00069359 - SAM-371_00039361)
	<u>DX-1012</u>				1995 - Excerpt from The American Heritage College Dictionary (3d ed. 1993) - Exhibit K to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief

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	<u>DX-1013</u>				2005-04-24 - Excerpt from the prosecution history of United States Patent No. 7,092,029, comprised of applicant's "Amendment and Response to the Office Action dated July 9, 2004," submitted to the United States Patent and Trademark Office on April 24, 2005 - Exhibit L to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief
	<u>DX-1014</u>				2012-07-02 - Magistrate Judge Amos L. Mazzant's Report and Recommendation, filed on July 2, 2012, docket no. 209, in Imperium (IP) Holdings, Inc. v. Apple Inc. et al., 4:11-cv-00163 (E.D.Tex.) - Exhibit M to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief
	<u>DX-1015</u>				2012-03-30 - Plaintiff Imperium (IP) Holdings, Inc.'s Opening claim Construction Brief Pursuant To P.R. 4-5(A), filed on March 30, 2012, docket no. 158, in Imperium (IP) Holdings, Inc. v. Apple Inc. et al., 4:11-cv-00163 (E.D.Tex.) - Exhibit N to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief
	<u>DX-1016</u>				2012-07-16 - Plaintiff Imperium (IP) Holdings, Inc.'s Objections To The Report And Recommendation Of United States Magistrate Judge Regarding Claim Construction, filed on July 16, 2012, docket no. 221, in Imperium (IP) Holdings, Inc. v. Apple Inc. et al., 4:11-cv-00163 (E.D.Tex.) - Exhibit O to Scott Taylor Declaration In Support of Samsung Responsive Claim Construction Brief
	<u>DX-1017</u>				2015-08-11 - Excerpted pages of deposition of Vincent Capone
	<u>DX-1018</u>				2015-08-24 - Letter Christopher Harnett to R. William Sigler re: Deposition of Alan Fisch
	<u>DX-1019</u>				2015-08-27 - Subpoena to Testify at a Deposition in a Civil Action for Alan M. Fisch
	<u>DX-1020</u>				2014-09-05 - Letter Bob Blair to Whom It May Concern (Samsung) with cc: Peter Sung (ESS Korea) and Robert Wong (ESS Fremont) Re: ESS Technology and Imperium IP Holdings
	<u>DX-1021</u>				2015-06-03 - Excerpts of Samsung First Notice of Deposition of Imperium IP Holdings (Cayman), Ltd.

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	DX-1022				2015-06-12 - Excerpts of Samsung Second Notice of Deposition of Imperium IP Holdings (Cayman), Ltd.
	DX-1023				2015-07-29 - Email Bill Sigler to Ropes & Gray and Samuel Brenner re: Capone deposition
	DX-1024				2015-08-27 - Letter Christopher Harnett to R. William Sigler re: Deposition of Alan Fisch
	DX-1025				2015-09-02 - Letter Christopher Harnett to R. William Sigler re: Deposition of Alan Fisch
	DX-1026				1999 Newnes TV and Video Engineers Pocket Book - Gain (SAM-371_00069354 - SAM-371_00069354)
	DX-1027				1997-10-09 - File History to Sears U.S. Patent Application No. 08/930,156 entitled "Tactiley-Guided, Voice-Output Reading Apparatus" (parent application of Sears U.S. Patent No. 6,115,482) (SAM-371_00099872 -SAM-371_00100004)
	DX-1028				2015-09-09 Kenneth Parulski Invalidity Expert Report
	DX-1029				2015-09-28 Kenneth Parulski Rebuttal Expert Report Regarding 7,092,029 Patent
	DX-1030				M. Ray Perryman, Ph.D., Curriculum Vitae
	DX-1031				2015-11-02 Ray Perryman's Supplemental Expert Report Appendix A
	DX-1032				2015-11-02 Ray Perryman's Supplemental Expert Report Appendix B
	DX-1033				2015-11-02 Ray Perryman's Supplemental Expert Report Appendix C
	DX-1034				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 1
	DX-1035				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 2A
	DX-1036				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 2B
	DX-1037				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 3A
	DX-1038				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 3B
	DX-1039				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 3C
	DX-1040				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 4A
	DX-1041				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 4B
	DX-1042				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 4C
	DX-1043				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 5A
	DX-1044				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 5B

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	DX-1045				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 5C
	DX-1046				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 6
	DX-1047				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 7
	DX-1048				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 8
	DX-1049				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 9A
	DX-1050				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 9B
	DX-1051				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 9C
	DX-1052				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 9D
	DX-1053				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 10
	DX-1054				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 11A
	DX-1055				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 11B
	DX-1056				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 11C
	DX-1057				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 12A
	DX-1058				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 12B
	DX-1059				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 12C
	DX-1060				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 13A
	DX-1061				2015-11-02 Ray Perryman's Supplemental Expert Report Exhibit 13B
	DX-1062				Exhibit Number Not Used
	DX-1063				Exhibit Number Not Used
	DX-1064				Exhibit Number Not Used
	DX-1065				Exhibit Number Not Used
	DX-1066				Exhibit Number Not Used
	DX-1067				2011-03-17 - Samsung document entitled "FLASH aE" (Translation) (TRANS_SAM-371_00005756 - TRANS_SAM-371_00005768)
	DX-1068				Exhibit Number Not Used
	DX-1069				Exhibit Number Not Used
	DX-1070				Exhibit Number Not Used
	DX-1071				Exhibit Number Not Used
	DX-1072				Exhibit Number Not Used
	DX-1073				2011-03-17 Presentation: Flash aE Algorithm by Hae-sun Lee (SAM-371_00000001 - SAM-371_00000013)

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	DX-1074				2011-03-17 Presentation: Flash aE Algorithm by Hae-sun Lee (Translation) (TRANS_SAM-371_00000001 - TRANS_SAM-371_00000013)
	DX-1075				1996 Canon EOS IX English Edition Instructions (SAM-371_00063090 - SAM-371_00063138)
	DX-1076				1999 Canon EOS Rebel 2000 English Edition Instructions (SAM-371_00063388 - SAM-371_00063463)
	DX-1077				1998 Canon EOS-3 English Edition Instructions (SAM-371_00064301 - SAM-371_00064448)
	DX-1078				1995-08-17 Canon Continues Evolutionary Design Tradition With Introduction Of New Generation EOS Elan II," Press Release,, available at http://web.archive.org/web/20001121135300/http://www.usa.canon.com/press/081795-7.html (hereinafter Elan II 1995 Press Release) (SAM-371_00064574 - SAM-371_00064582)
	DX-1079				1995-08-17 Canon Speedlite 380EX Offers New Evaluative (ETTL) Flash System for Pinpoint Exposure and Extended Zoom Range, Press Release, available at http://web.archive.org/web/20001012111634/http://www.usa.canon.com/press/081795.html (SAM-371_00064591 - SAM-371_00064593)
	DX-1080				Nikon Autofocus Speedlight SB-28 Instruction Manual (SAM-371_00064770 - SAM-371_00064866)
	DX-1081				1992-10 Popular Photography, SLR Nikon takes a giant step forward with new N90 AF SLR (SAM-371_00065469 - SAM-371_00065475)
	DX-1082				2000 Kodak Professional DCS 500 Series Digital Cameras, User's Guide (SAM-371_00101356 - SAM-371_00101606)
	DX-1083				2008-01-07 First Amendment to Tessera Optiml Focus Technology License Agreement (SAM-371_00439191 - SAM-371_00439198)
	DX-1084				Presentation: 2Gbps VS 3phase Comparison (SAM-371_00104971 - SAM-371_00104977)

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	DX-1085				2012-07-31 Apple's charts compare its U.S. market share and global sales to Samsung's 2004-2012, Phonearena.com
	DX-1086				2010-08-17 ESS Technology Corporate Structure Chart (IIPH_SAM00376292 - IIPH_SAM00376292)
	DX-1087				2009-04-24 Written Resolutions of the sole Director of Imperium (IIPH_SAM00376313 - IIPH_SAM00376317)
	DX-1088				2008-02-21 Agreement and Plan of Merger between Semiconductor Holding Corporation Echo Mergerco Inc. and Echo Technology (Delaware) Inc. (IIPH_SAM00376333 - IIPH_SAM00376396)
	DX-1089				2003 ESS Technology 2003 Annual Report (IIPH_SAM00376406 - IIPH_SAM00376522)
	DX-1090				2010-03 Investment Finances (IIPH_SAM00376523 - IIPH_SAM00376525)
	DX-1091				2007-04-27 Email Boyd to Franceschi, Brown and Chafer re Valuation (IIPH_SAM00376530 - IIPH_SAM00376544)
	DX-1092				2007-03-06 Email Blair re cameraphone opportunity (IIPH_SAM00376236 - IIPH_SAM00376236)
	DX-1093				Email to John (IIPH_SAM00376237 - IIPH_SAM00376238)
	DX-1094				2012-09-19 Email Devers to Rehm and Morrison re IP Holdings and ESS (IIPH_SAM00376239 - IIPH_SAM00376247)
	DX-1095				2008-05-05 Alicia Moore Non-Disclosure Agreement (IIPH_SAM00376248 - IIPH_SAM00376249)
	DX-1096				2008-10-23 ESS Technology Board of Directors Meeting IP Licensing Update (IIPH_SAM00376287 - IIPH_SAM00376287)
	DX-1097				2008-11-21 ESS Technology Board of Directors Meeting IP Licensing Update (IIPH_SAM00376288 - IIPH_SAM00376289)
	DX-1098				2010-04-06 Imperium Meeting of the Board of Directors (IIPH_SAM00376290 - IIPH_SAM00376291)
	DX-1099				2010-06-03 Imperium Meeting of the Board of Directors (IIPH_SAM00376293 - IIPH_SAM00376293)
	DX-1100				2008-10-23 Imperium Meeting of the Board of Directors (IIPH_SAM00376294 - IIPH_SAM00376296)

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	<u>DX-1101</u>				2008-11-21 Imperium Meeting of the Board of Directors (IIPH_SAM00376297 - IIPH_SAM00376299)
	<u>DX-1102</u>				2009-01-23 Imperium Meeting of the Board of Directors (IIPH_SAM00376300 - IIPH_SAM00376302)
	<u>DX-1103</u>				2009-03-05 Imperium Meeting of the Board of Directors (IIPH_SAM00376303 - IIPH_SAM00376304)
	<u>DX-1104</u>				2009-04-23 Imperium Meeting of the Board of Directors (IIPH_SAM00376305 - IIPH_SAM00376306)
	<u>DX-1105</u>				2009-06-04 Imperium Meeting of the Board of Directors (IIPH_SAM00376307 - IIPH_SAM00376308)
	<u>DX-1106</u>				2009-07-19 Imperium Meeting of the Board of Directors (IIPH_SAM00376309 - IIPH_SAM00376310)
	<u>DX-1107</u>				2009-08-26 Imperium Meeting of the Board of Directors (IIPH_SAM00376311 - IIPH_SAM00376311)
	<u>DX-1108</u>				2009-10-26 Imperium Meeting of the Board of Directors (IIPH_SAM00376312 - IIPH_SAM00376312)
	<u>DX-1109</u>				2009-12-09 Imperium Meeting of the Board of Directors (IIPH_SAM00376318 - IIPH_SAM00376318)
	<u>DX-1110</u>				2010-02-02 Imperium Meeting of the Board of Directors (IIPH_SAM00376319 - IIPH_SAM00376319)
	<u>DX-1111</u>				2010-03-03 Imperium IP Holdings Meeting of the Board of Directors (IIPH_SAM00085670 - IIPH_SAM00085670)
	<u>DX-1112</u>				2010-04-22 Imperium Meeting of the Board of Directors (IIPH_SAM00376320 - IIPH_SAM00376320)
	<u>DX-1113</u>				2010-08-11 Imperium Meeting of the Board of Directors (IIPH_SAM00376321 - IIPH_SAM00376322)
	<u>DX-1114</u>				2010-11-03 Imperium Meeting of the Board of Directors (IIPH_SAM00376323 - IIPH_SAM00376323)
	<u>DX-1115</u>				2010-11-29 Imperium Meeting of the Board of Directors (IIPH_SAM00376324 - IIPH_SAM00376325)
	<u>DX-1116</u>				2011-01-26 Imperium Meeting of the Board of Directors (IIPH_SAM00376326 - IIPH_SAM00376328)

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	DX-1117				2011-02-18 Imperium Meeting of the Board of Directors (IIPH_SAM00376329 - IIPH_SAM00376330)
	DX-1118				2011-03-31 Imperium Meeting of the Board of Directors (IIPH_SAM00376331 - IIPH_SAM00376332)
	DX-1119				2011-05-09 Imperium Meeting of the Board of Directors (IIPH_SAM00376397 - IIPH_SAM00376398)
	DX-1120				2011-08-09 Imperium Meeting of the Board of Directors (IIPH_SAM00376399 - IIPH_SAM00376400)
	DX-1121				2011-11-02 Imperium Meeting of the Board of Directors (IIPH_SAM00376401 - IIPH_SAM00376401)
	DX-1122				2012-02-24 Imperium Meeting of the Board of Directors (IIPH_SAM00376402 - IIPH_SAM00376403)
	DX-1123				2012-05-08 Imperium Meeting of the Board of Directors (IIPH_SAM00376404 - IIPH_SAM00376405)
	DX-1124				2009-06-02 Email Michaelson to Testaverde, Hryshko and Devers re Imperium IP Holdings (Cayman) Ltd. (IIPH_SAM00377499 - IIPH_SAM00377499)
	DX-1125				2008 Draft Patent Assignment Agreement between Imperium and ESS Technology (IIPH_SAM00377500 - IIPH_SAM00377521)
	DX-1126				2006-12-15 Letter Blair to Hong re ESS Digital Imaging Patents (IIPH_SAM00377522 - IIPH_SAM00377522)
	DX-1127				2008-11-26 Consulting Agreement Scpt of Work IP Monetization Project (IIPH_SAM00377523 - IIPH_SAM00377525)
	DX-1128				2010-06-01 Consulting Agreement Scpt of Work IP Monetization Project 2nd (IIPH_SAM00377526 - IIPH_SAM00377528)
	DX-1129				2011-06-01 Settlement Agreement and Mutual Release between Imperium and ESS Technology (IIPH_SAM00377529 - IIPH_SAM00377531)
	DX-1130				2005-10-26 ESS Technology Moderator Rebecca Mack (IIPH_SAM00377533 - IIPH_SAM00377557)
	DX-1131				2006-05-17 Presentation ESS Technology Camera Phone Marketing Update (IIPH_SAM00377558 - IIPH_SAM00377572)

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	DX-1132				2012-10-12 Imperium v. Apple Defendant's Notice to Take Videotaped Deposition of ESS Technology with Subpoena Duces Tecum (IIPH_SAM00365346 - IIPH_SAM00365430)
	DX-1133				2003-12-27 License Agreement between Pictos and ESS Technology (IIPH_SAM00365531 - IIPH_SAM00365540)
	DX-1134				2004-10-14 Email Blair to Mallinson re UMC CIS Team visit ESS-Irvine schedule - 10/14 (IIPH_SAM00365544 - IIPH_SAM00365553)
	DX-1135				2004-11-03 Email Zhou to Blair re Only for you two (IIPH_SAM00365557 - IIPH_SAM00365562)
	DX-1136				2006-12-14 Proposal (IIPH_SAM00365691 - IIPH_SAM00365691)
	DX-1137				2007-03-06 Email Blair re Cameraphone opportunity (IIPH_SAM00365695 - IIPH_SAM00365748)
	DX-1138				2008-02-19 ESS Technologies SEC Schedule A (IIPH_SAM00365791 - IIPH_SAM00366087)
	DX-1139				2009-04-24 Written Resolutions of the sole Director of Imperium (IIPH_SAM00366088 - IIPH_SAM00366092)
	DX-1140				Email to John (IIPH_SAM00366093 - IIPH_SAM00366094)
	DX-1141				2008-06-20 Certificate of Incorporation to Imperium (IIPH_SAM00366137 - IIPH_SAM00366137)
	DX-1142				2008-11-21 ESS Technology Board of Directors Meeting IP Licensing Update (IIPH_SAM00366203 - IIPH_SAM00366204)
	DX-1143				2009-01-22 Email Moore re FW: ESS (IIPH_SAM00366205 - IIPH_SAM00366244)
	DX-1144				1998 Canon EOS IX 7/IX Lite English Edition Instruction Manual (SAM-371_00063288 - SAM-371_00063387)
	DX-1145				1996 Canon EOS Rebel G Rebel GQD English Edition Instructions (SAM-371_00063464 - SAM-371_00063531)
	DX-1146				2000-02 Canon EOS 1-v Instruction Manual (SAM-371_00063532 - SAM-371_00063671)
	DX-1147				2000 Kodak DCS 500 Series Digital Camera User's Guide (SAM-371_00063785 - SAM-371_00064035)

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	DX-1148				1999-02 Kodak Pro DCS 520 Review, Phil Askey (SAM-371_00064542 - SAM-371_00064547)
	DX-1149				1999-02 Kodak Pro DCS 520 Review, Phil Askey, (Intro) (SAM-371_00064548 - SAM-371_00064549)
	DX-1150				1996-08-19 Speedlite 220EX Highlights New Accessories Introduced By Canon, Press Release, available at http://web.archive.org/web/20001213070400/http://www.usa.canon.com/press/081996-2.html (SAM-371_00064570 - SAM-371_00064573)
	DX-1151				1999-08-24 Nikon Professional Digital SLR D1 (2.74 mpixel) (webpage, dpreview) (SAM-371_00065024 - SAM-371_00065030)
	DX-1152				1999-06 Nikon D1 Brochure, "Nikon announces the new Nikon Professional Digital SLR D1" (SAM-371_00065037 - SAM-371_00065038)
	DX-1153				Nikon N90 AF Instruction Manual (SAM-371_00065115 - SAM-371_00065262)
	DX-1154				1998-02-02 Canon, 1998 Press Release - "Canon Announces Breakthrough Professional Digital Camera" (SAM-371_00512929 - SAM-371_00512930)
	DX-1155				Nikon Warranty Card (SAM-371_00513013 - SAM-371_00513014)
	DX-1156				1992 International Standard, ISO 1230, Photography - Determination of Flash Guide (SAM-371_00513121 - SAM-371_00513132)
	DX-1157				1998 Canon EOS 3 Review of High Tech Wonder, by Peter Kun Frary (SAM-371_00513133 - SAM-371_00513145)
	DX-1158				Canon website provides software to communicate with the Canon EOS-1v. Available at http://www.usa.canon.com/cusa/support/consumer/eos_slr_camera_systems/eos_35mm_slr_cameras/eos_1v#DriversAndSoftware (SAM-371_00513725 - SAM-371_00513725)
	DX-1159				2011-06 NK Guy, Mastering Canon EOS Flash Photography (SAM-371_00513784 - SAM-371_00513823)
	DX-1160				2005-12-15 Email Blair to He re Patent visit follow-up (IIPH_SAM00365689 - IIPH_SAM00365690)

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	<u>DX-1161</u>				1999-04-30 - Japanese Patent Application Pub. No. H11-119288 entitled “Strobe Device” (Shimada - Olympus) (SAM-371_00065906 - SAM-371_00065913)
	<u>DX-1162</u>				1989-11-21 – Japanese Patent Application Pub. No. H01-289925 entitled “Stroboscopic System for Cameras” (Nakajima – Olympus) (SAM-371_00065914)
	<u>DX-1163</u>				1999-04-30 - Japanese Patent Application Pub. No. H11-119288 entitled “Strobe Device” (Shimada - Olympus) (SAM-371_00065898 - SAM-371_00065905)